

FIG. 1

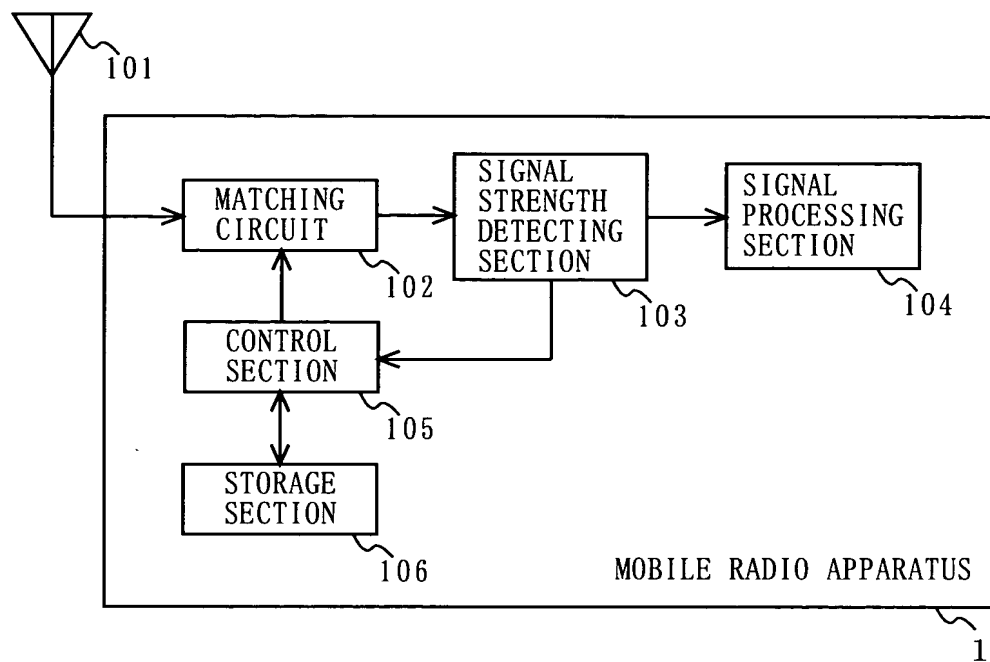


FIG. 2

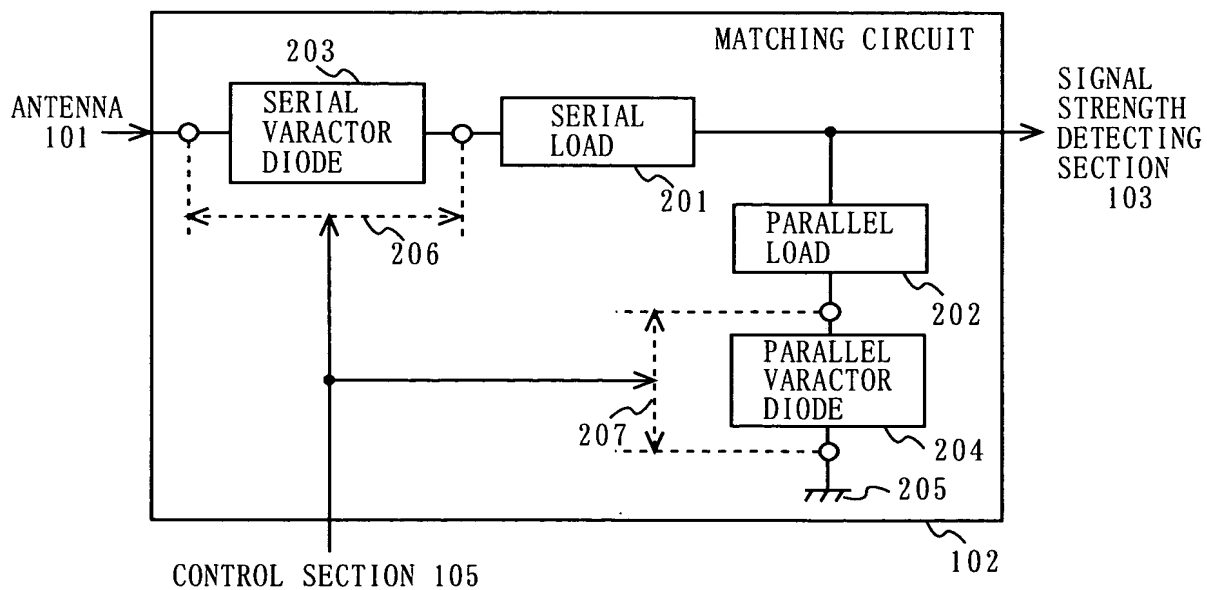
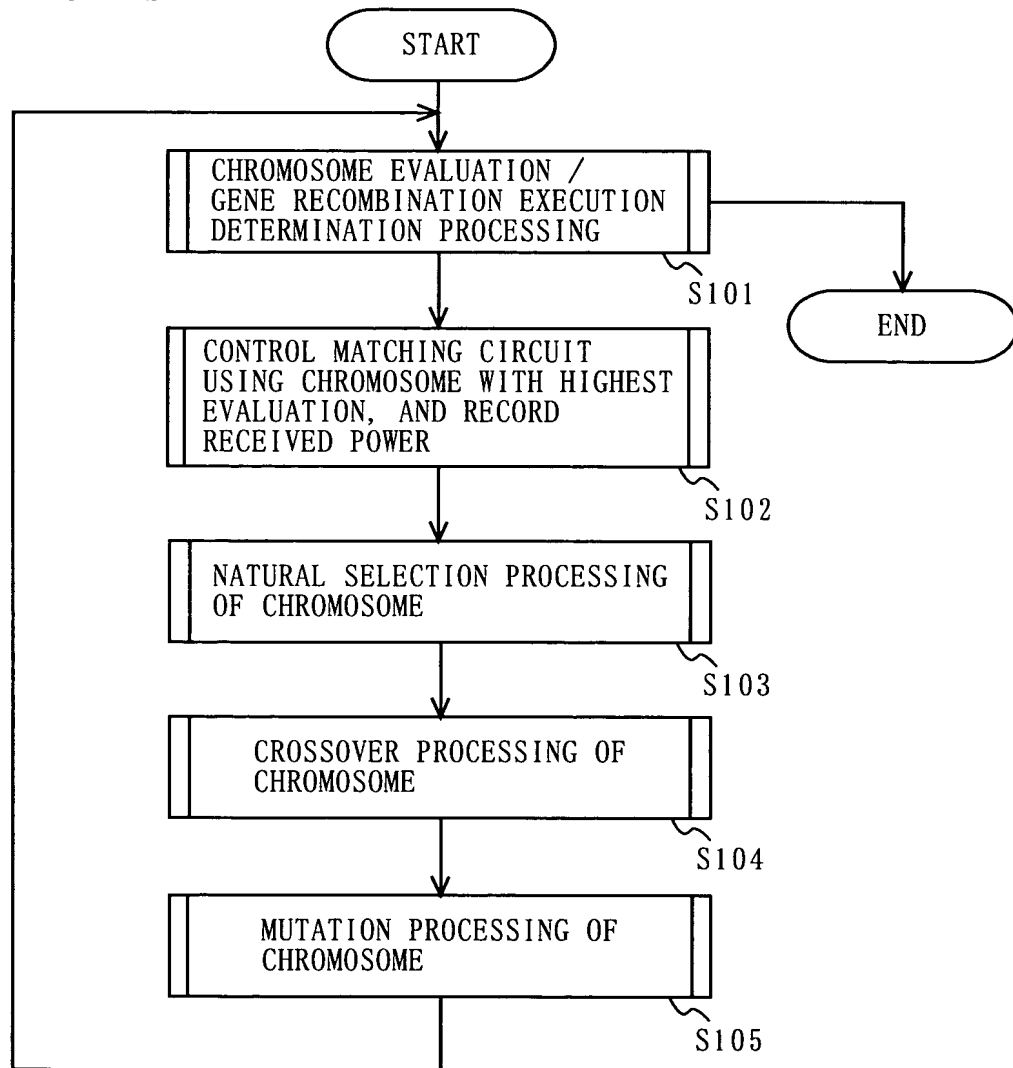


FIG. 3

USE SITUATION INITIAL CHROMOSOME TABLE	
CHROMOSOME	USE SITUATION
INITIAL CHROMOSOME A(1):0000 0000 0000 0000	FREE SPACE
INITIAL CHROMOSOME A(2):0000 1100 0001 0100	CALL POSTURE
INITIAL CHROMOSOME A(3):0000 0101 0000 1111	E-MAIL POSTURE

FIG. 4



F I G. 5

CHROMOSOME RECEIVED POWER TABLE	
CHROMOSOME	RECEIVED POWER
CHROMOSOME B(1):0000 0000 0000 0000	R S S S I 1
CHROMOSOME B(2):0000 0000 0000 0000	R S S S I 2
CHROMOSOME B(3):0000 1100 0001 0100	R S S S I 3
CHROMOSOME B(4):0000 0101 0000 1111	R S S S I 4

F I G. 6

CHROMOSOME RECEIVED POWER TABLE AFTER NATURAL SELECTION	
CHROMOSOME	RECEIVED POWER
CHROMOSOME C(1):0000 1100 0001 0100	R S S S I 3
CHROMOSOME C(2):0000 0000 0000 0000	R S S S I 2
CHROMOSOME C(3):0000 1100 0001 0100	R S S S I 3
CHROMOSOME C(4):0000 0101 0000 1111	R S S S I 4

F I G. 7

CHROMOSOME TABLE AFTER CROSSOVER	
CHROMOSOME	
CHROMOSOME D(1):0000 1101 0001 1111	
CHROMOSOME D(2):0000 0000 0000 0000	
CHROMOSOME D(3):0000 1100 0001 0100	
CHROMOSOME D(4):0000 0100 0000 0100	

F I G. 8

CHROMOSOME TABLE AFTER MUTATION	
CHROMOSOME	
CHROMOSOME E(1):	0000 1101 0001 0111
CHROMOSOME E(2):	0100 0001 0000 0100
CHROMOSOME E(3):	0000 1100 0001 0100
CHROMOSOME E(4):	0000 1100 0100 0100

F I G. 9

CHROMOSOME RECEIVED POWER TABLE	
CHROMOSOME	RECEIVED POWER
CHROMOSOME B(1):	0100 0001 0000 0100 R S S S I 5
CHROMOSOME B(2):	0000 1101 0001 0111 R S S S I 6
CHROMOSOME B(3):	0100 0001 0000 0100 R S S S I 7
CHROMOSOME B(4):	0000 1100 0001 0100 R S S S I 8
CHROMOSOME B(5):	0000 1100 0100 0100 R S S S I 9

FIG. 10

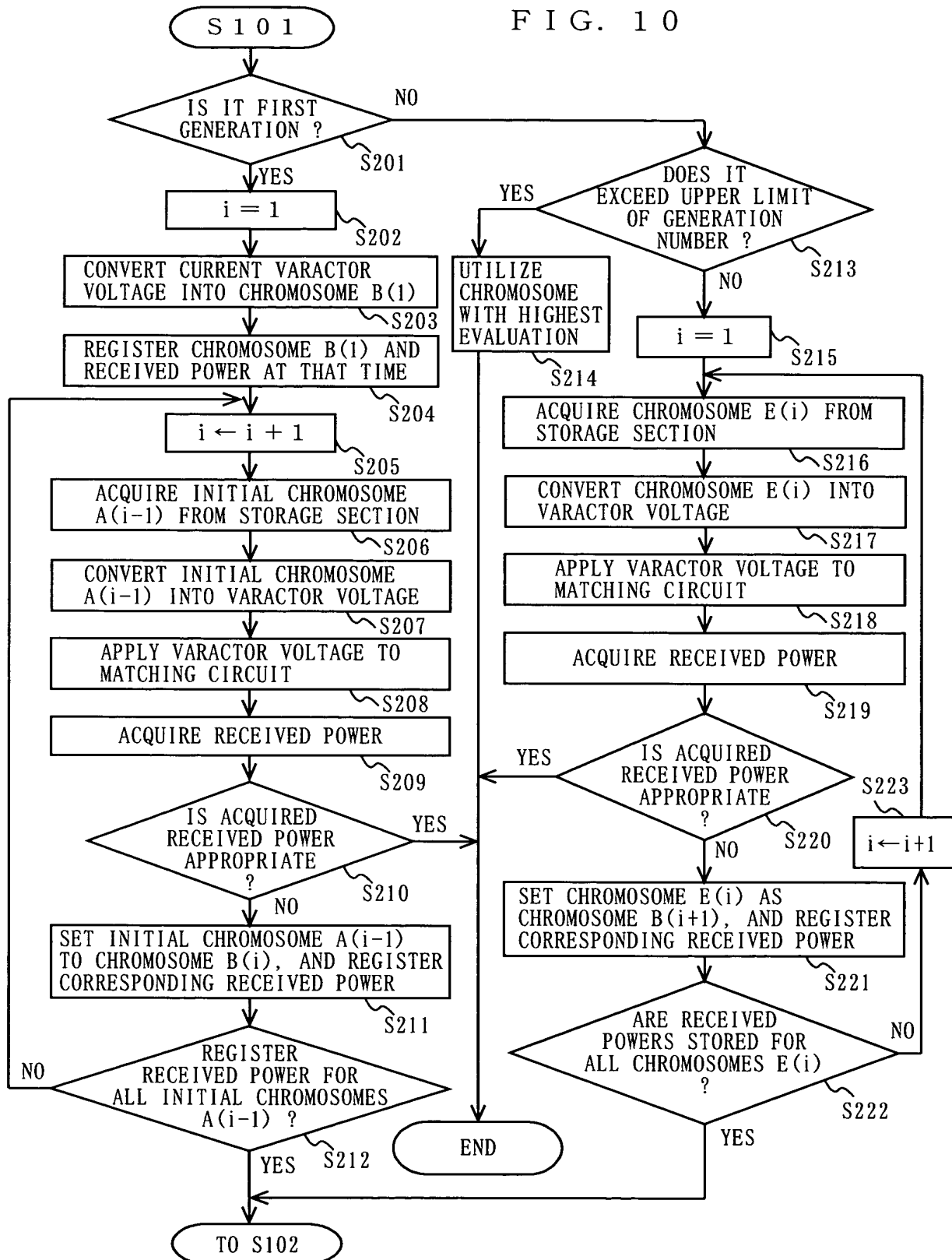


FIG. 11

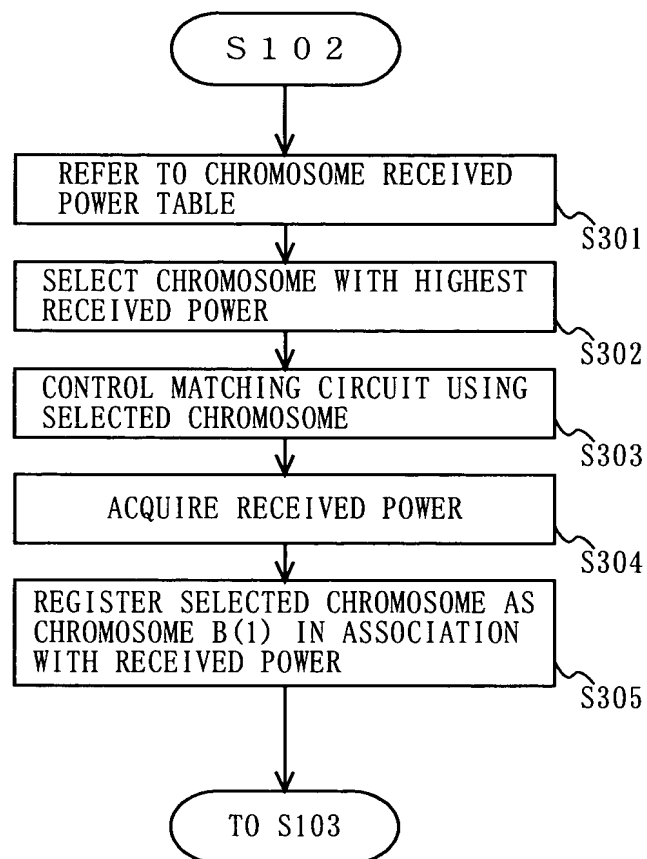


FIG. 12

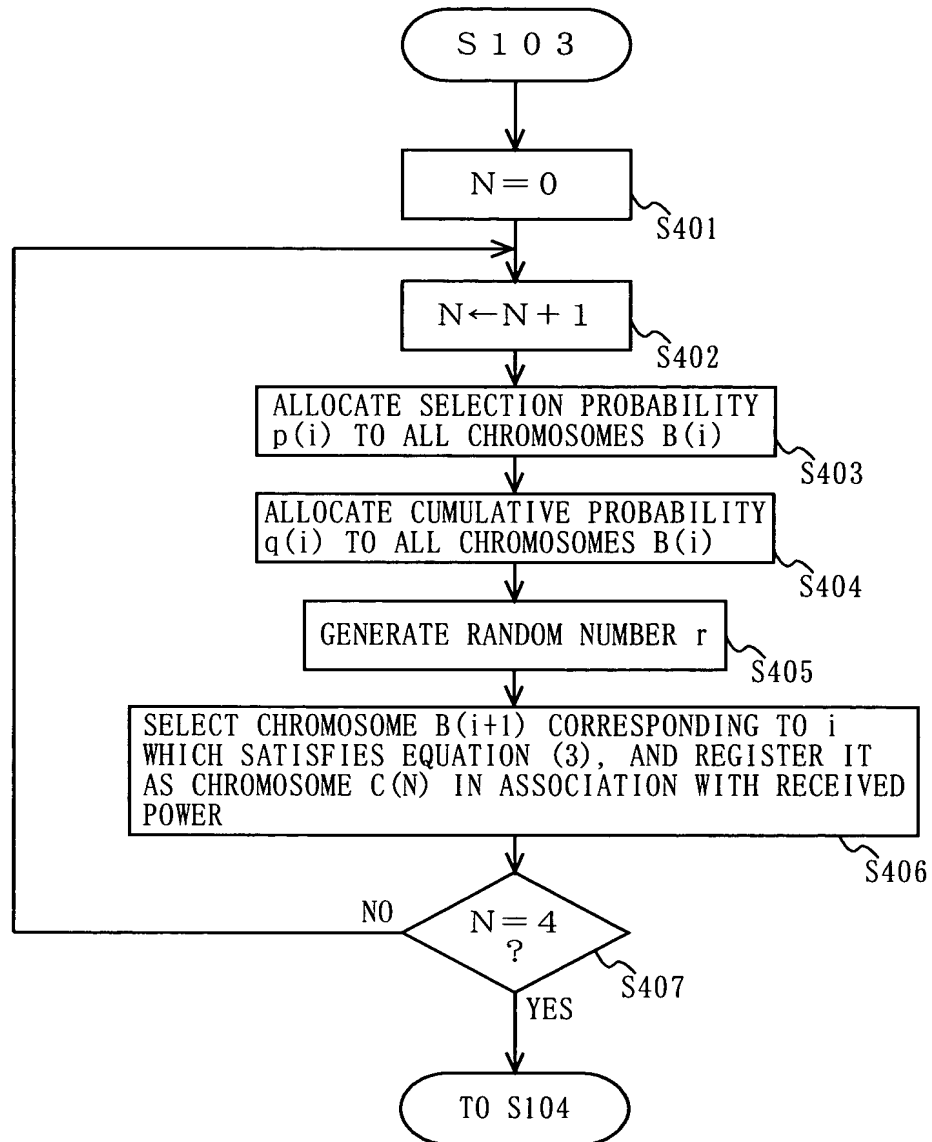


FIG. 13

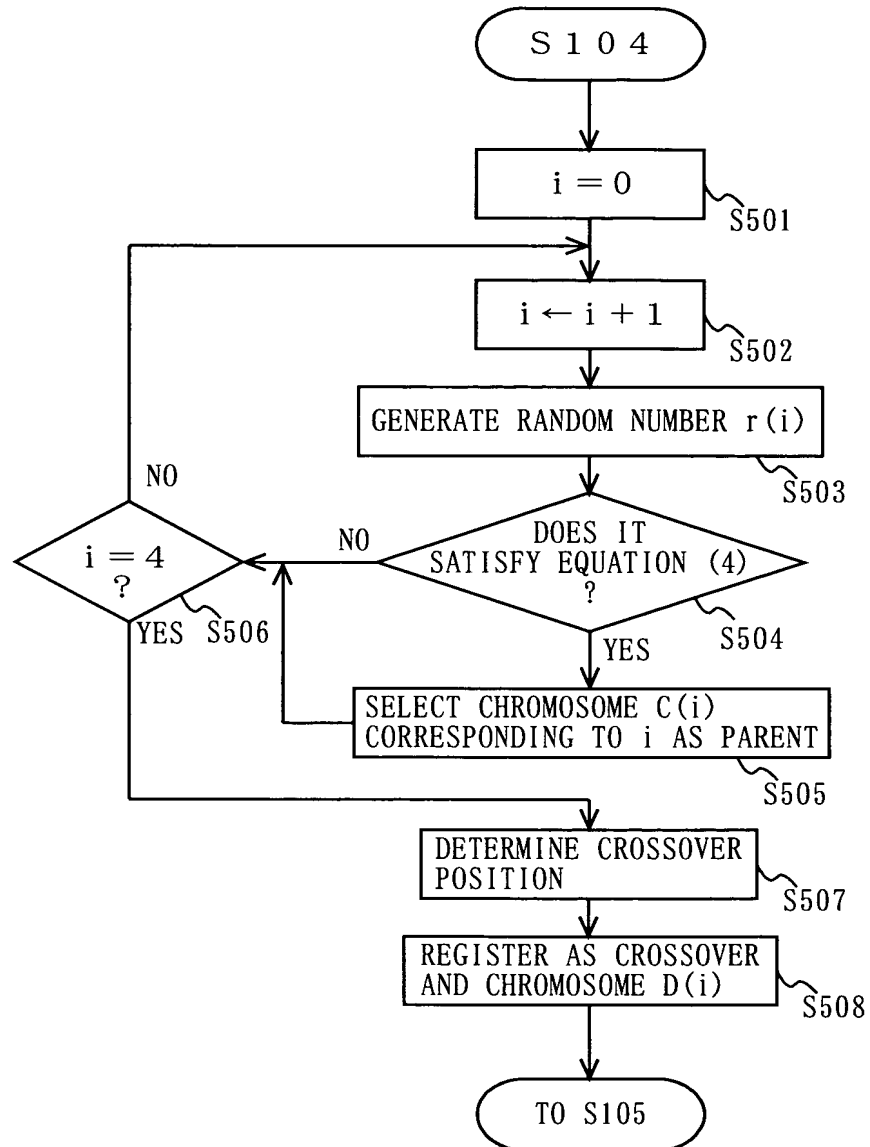


FIG. 14

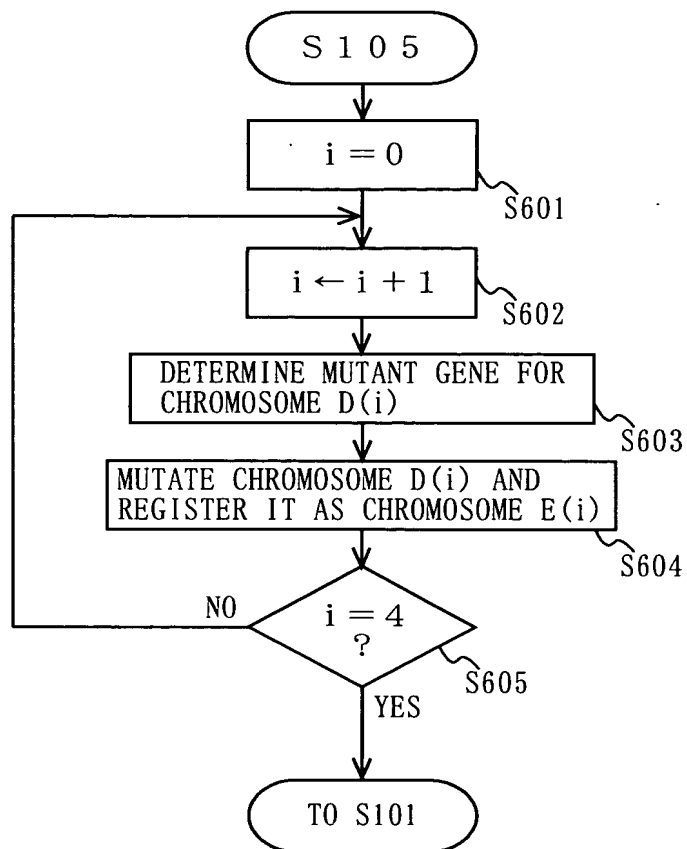


FIG. 15

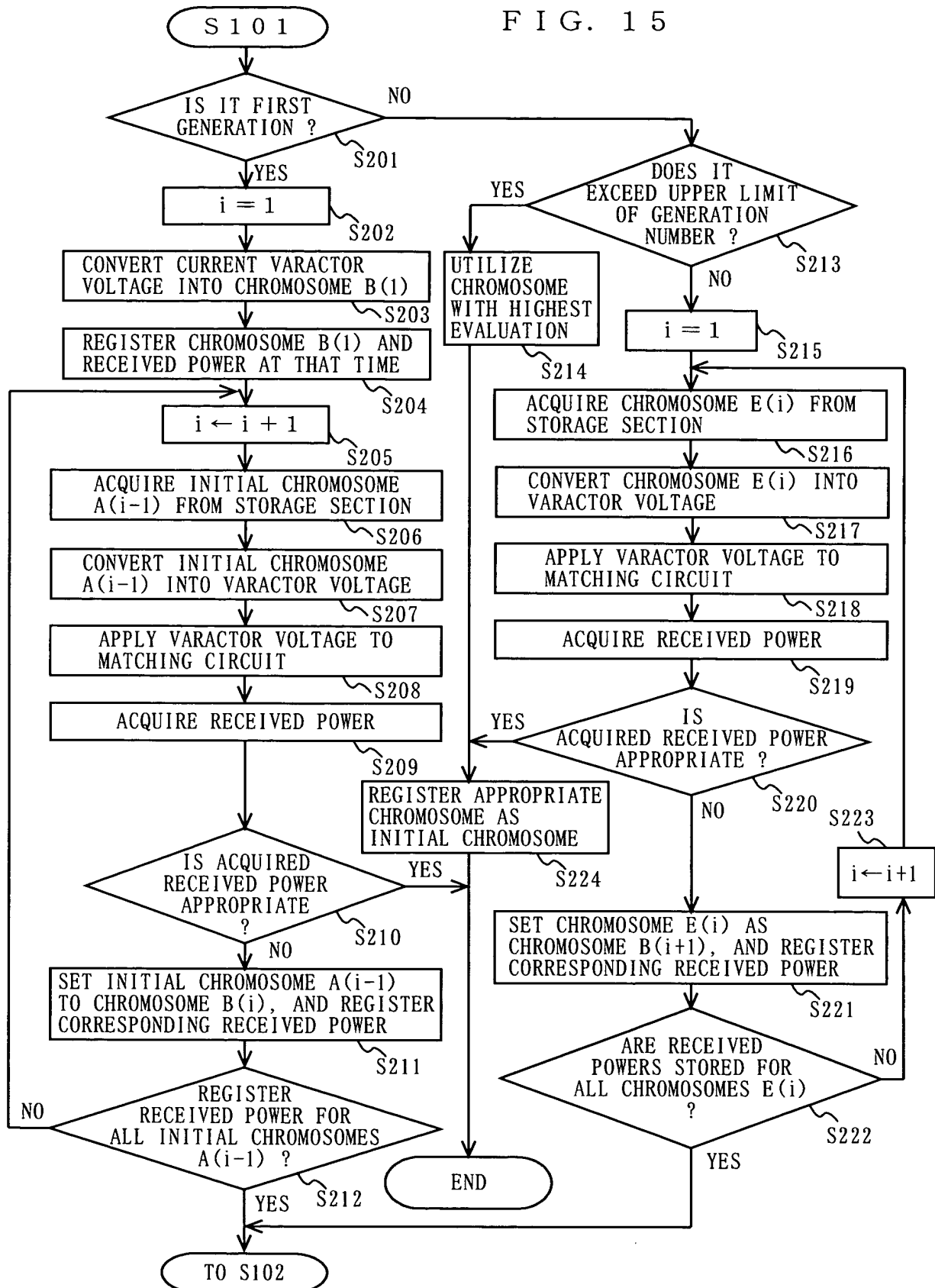


FIG. 16

INITIAL PARAMETER TABLE FOR USE SITUATION	
PARAMETER	USE SITUATION
SERIES: 0 V, PARALLEL: 0 V	FREE SPACE
SERIES: 1.2 V, PARALLEL: 2 V	CALL POSTURE
SERIES: 0.5 V, PARALLEL: 1.5 V	E-MAIL POSTURE

FIG. 17

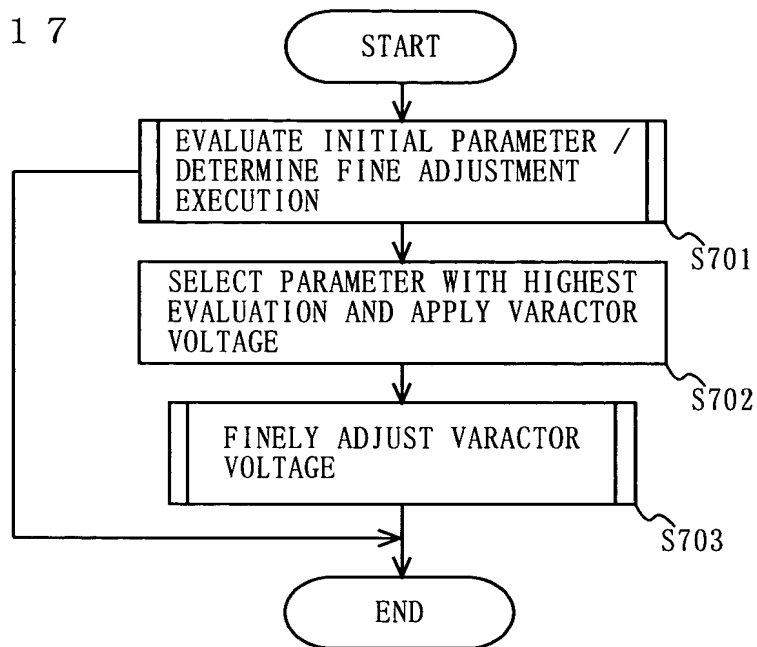


FIG. 18

PARAMETER RECEIVED POWER TABLE	
PARAMETER	RECEIVED POWER
SERIES: 0 V, PARALLEL: 0 V (CURRENT PARAMETER)	R S S S I 1
SERIES: 0 V, PARALLEL: 0 V (INITIAL PARAMETER)	R S S S I 2
SERIES: 1.2 V, PARALLEL: 2 V (INITIAL PARAMETER)	R S S S I 3
SERIES: 0.5 V, PARALLEL: 1.5 V (INITIAL PARAMETER)	R S S S I 4

FIG. 19

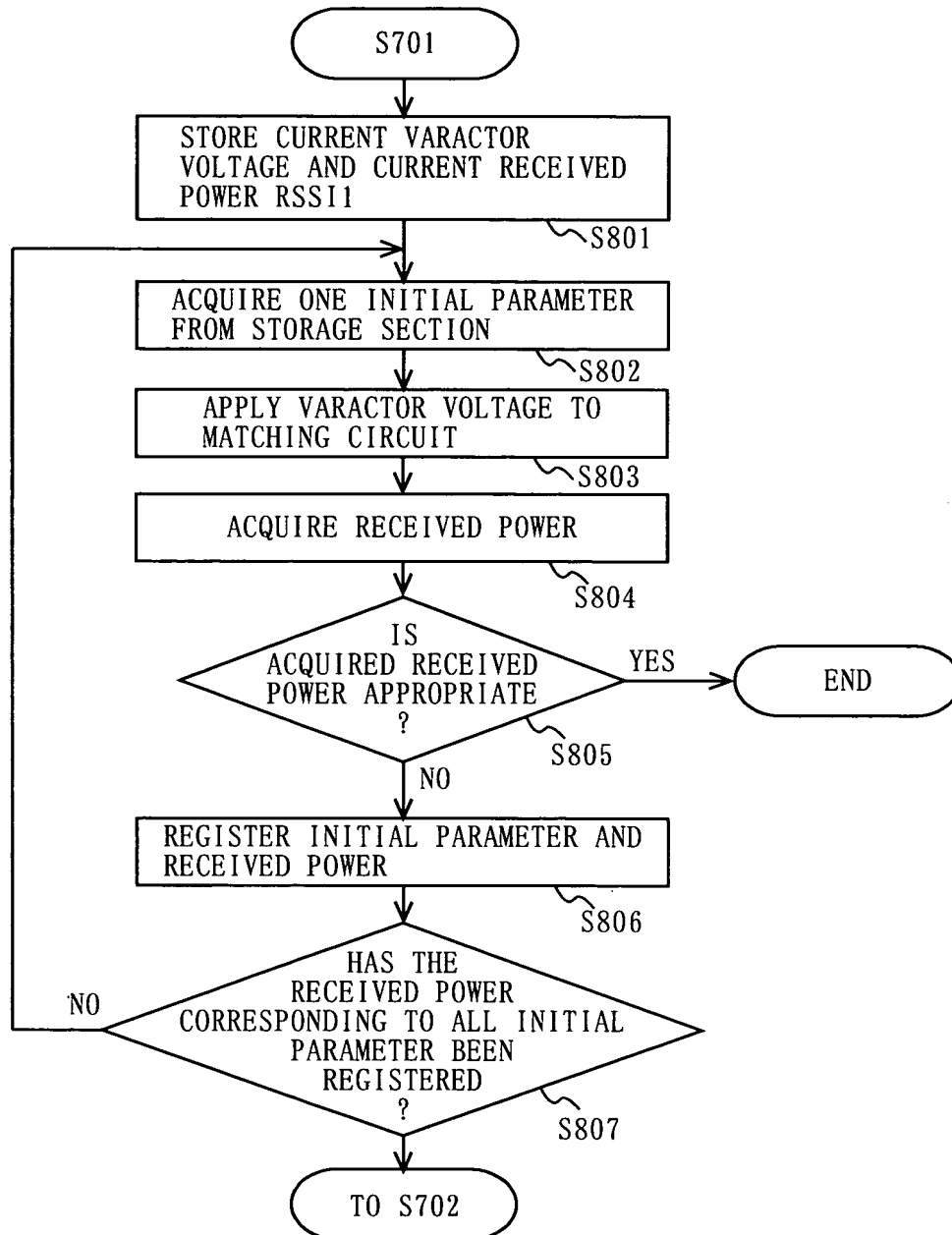


FIG. 20

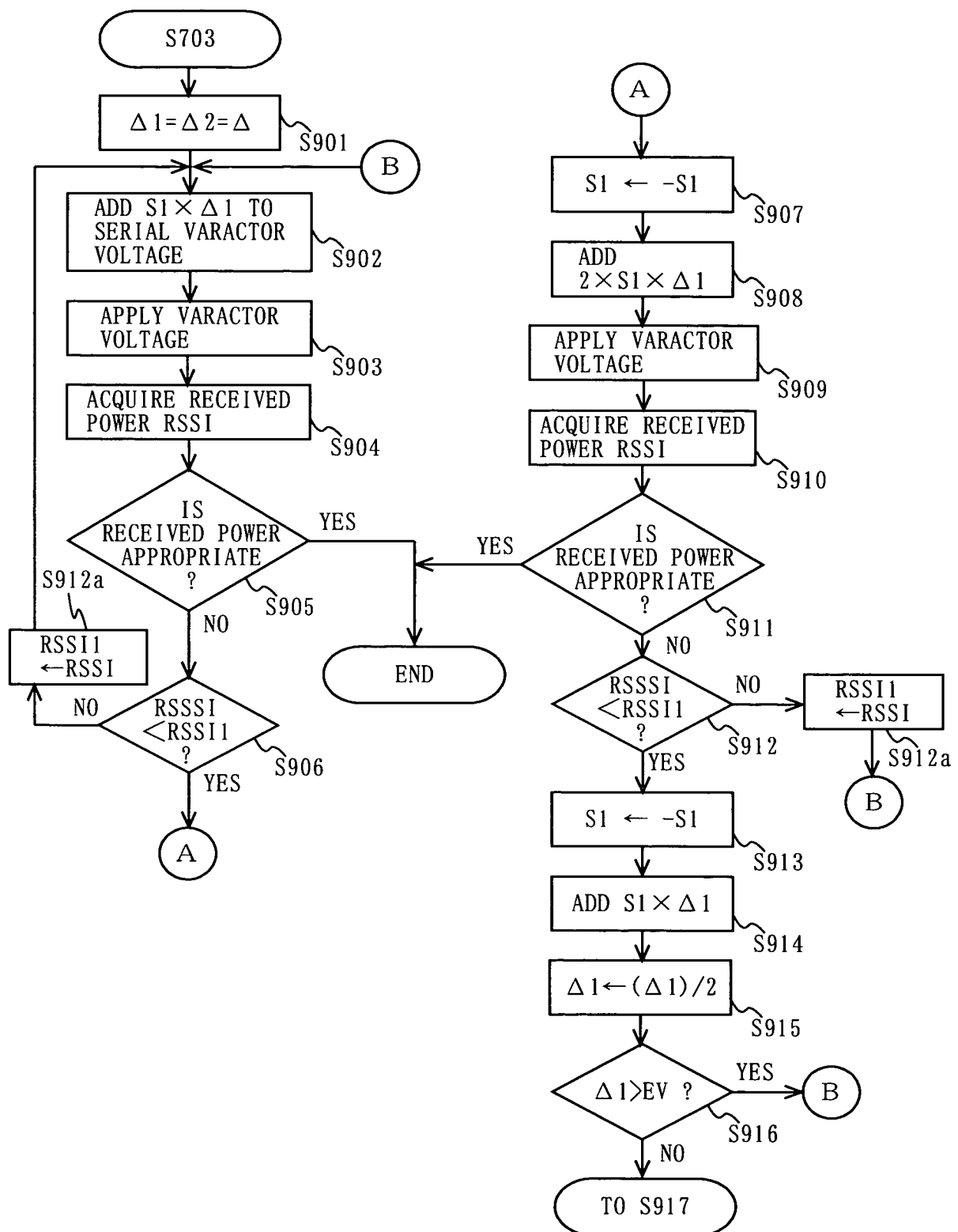


FIG. 21

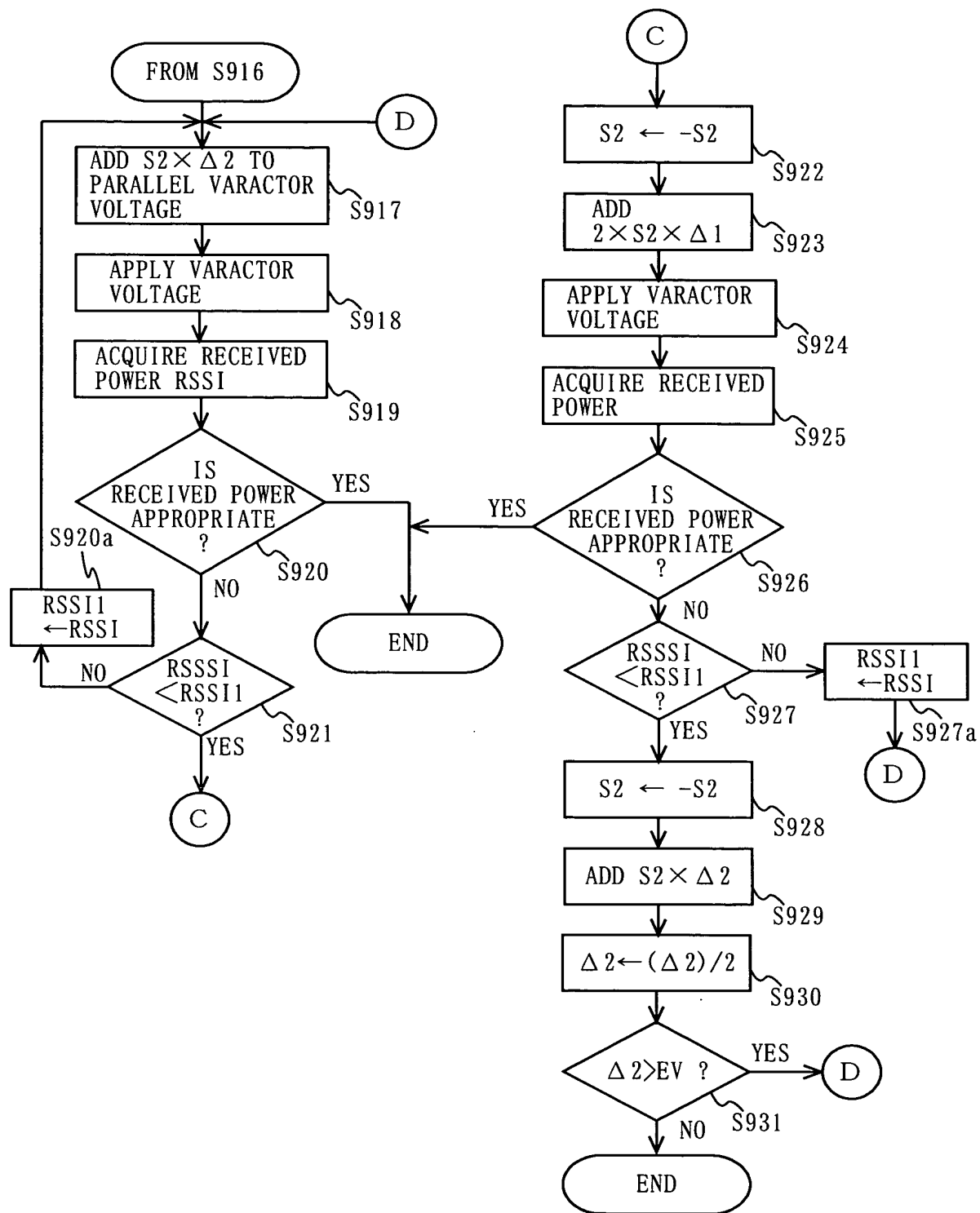


FIG. 22

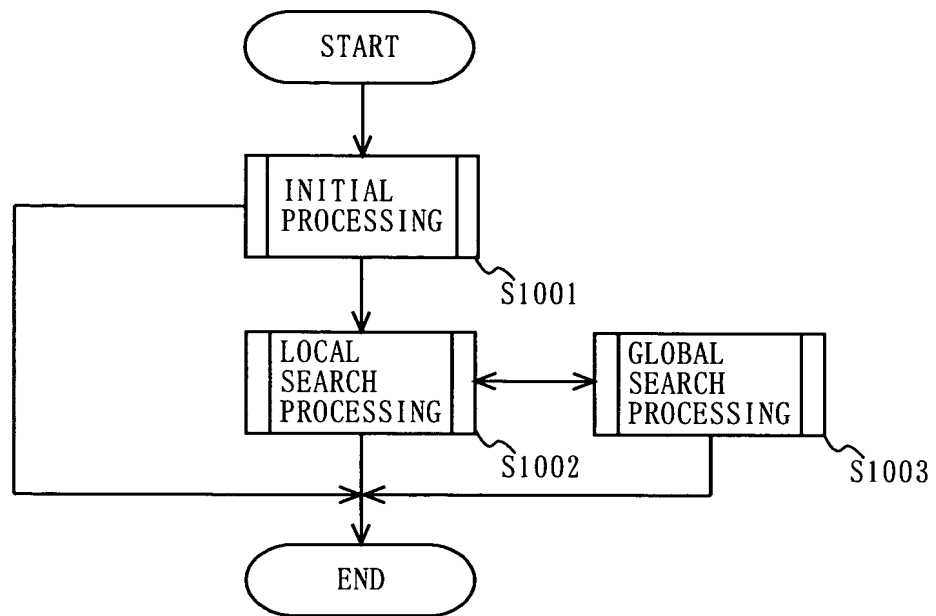


FIG. 23A

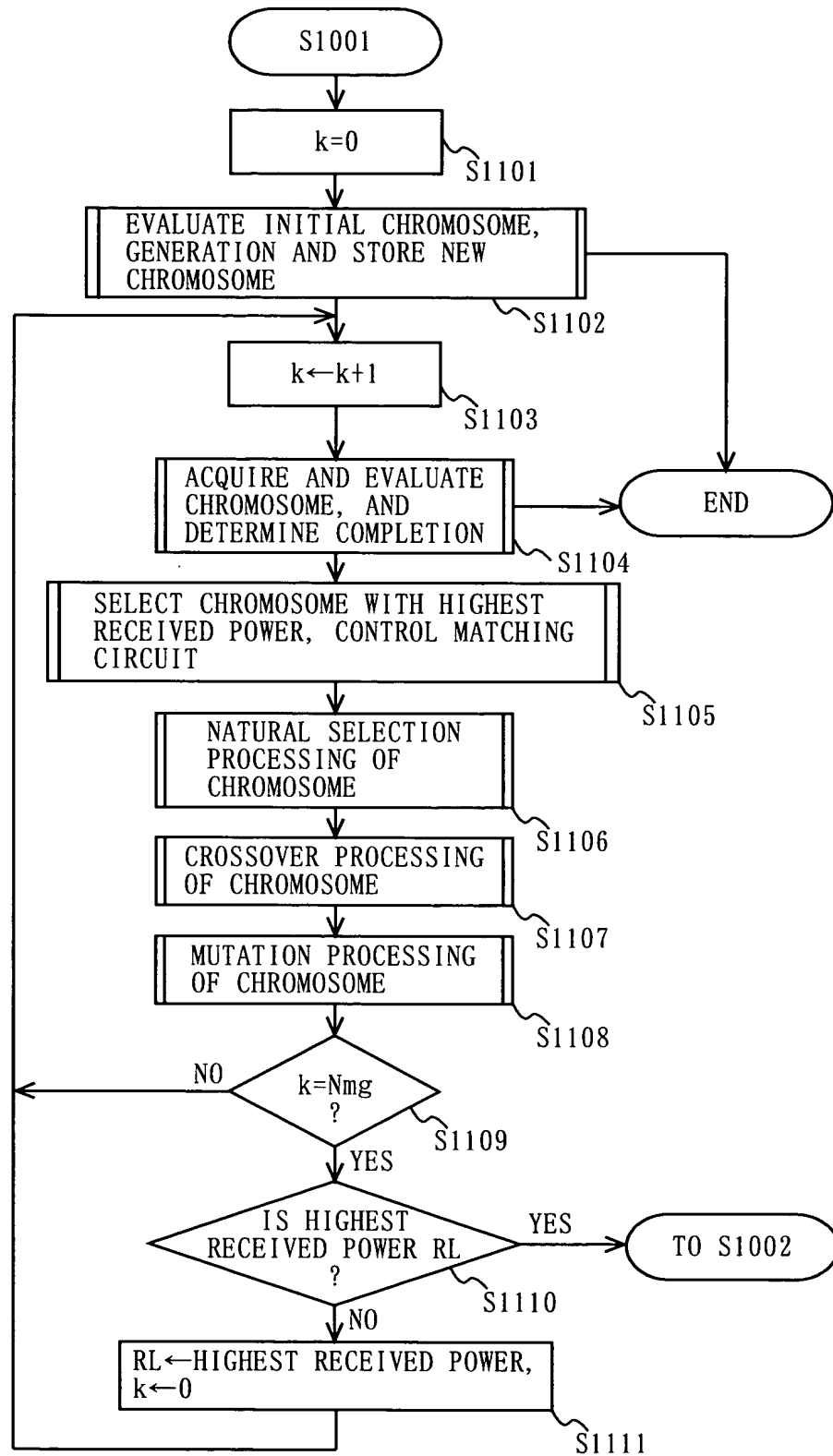


FIG. 23B

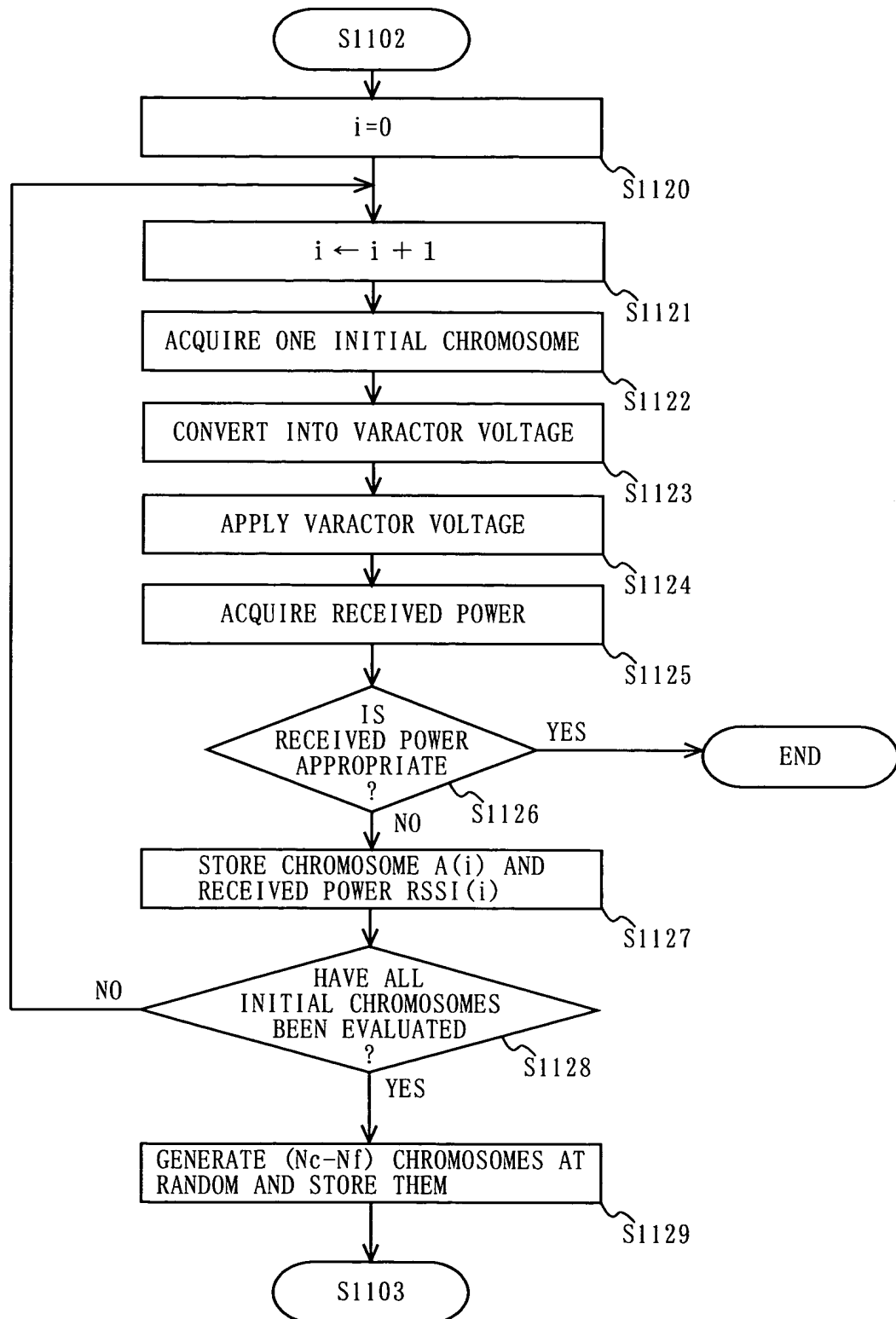


FIG. 24

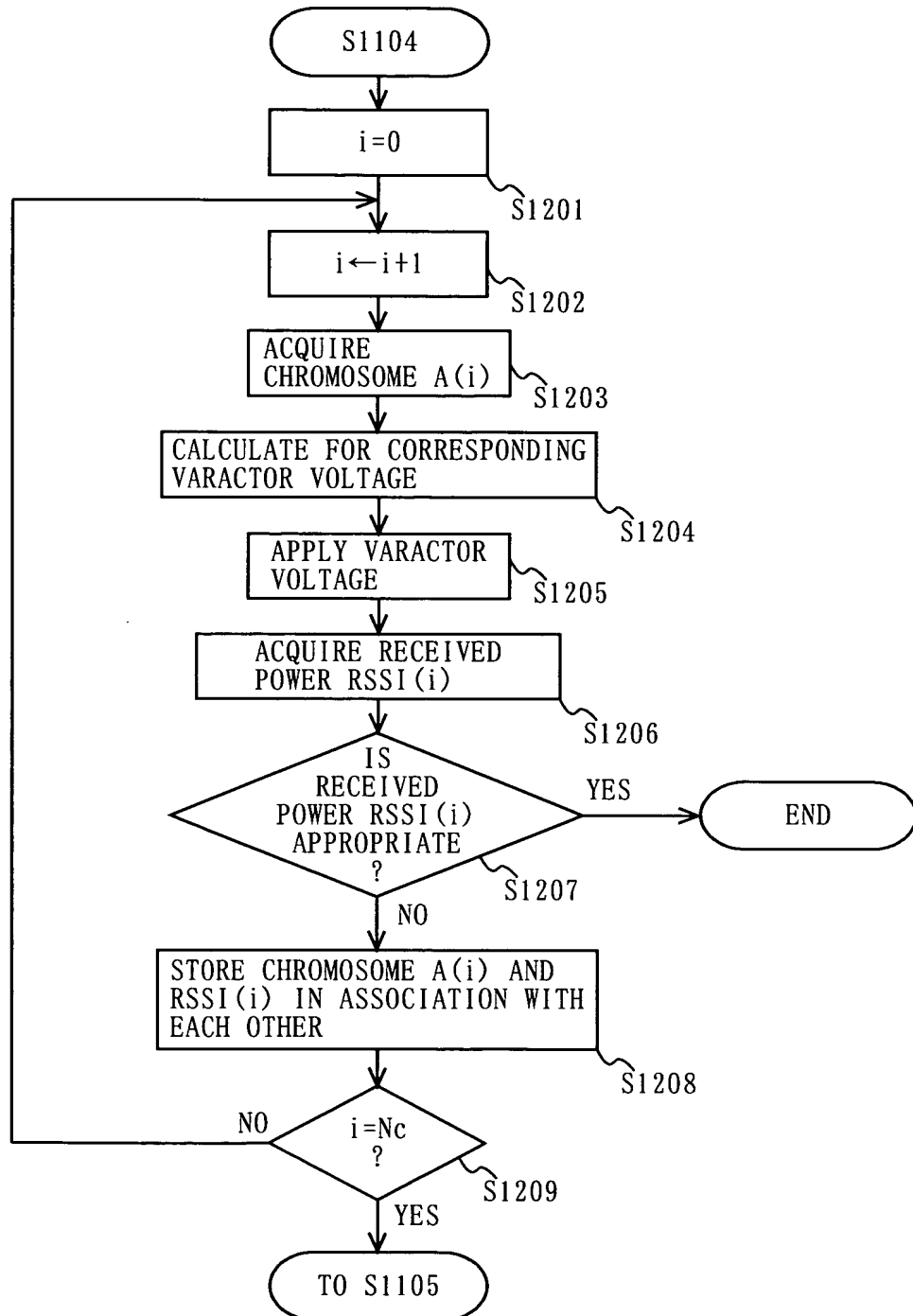


FIG. 25

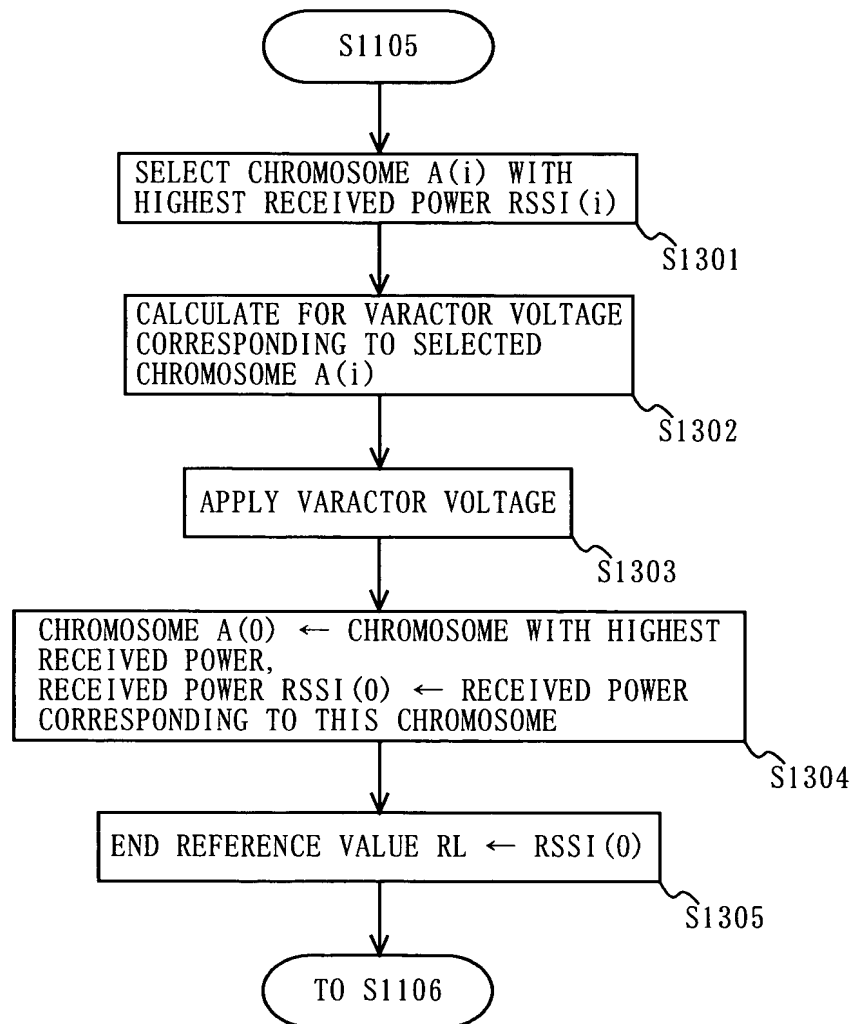


FIG. 26

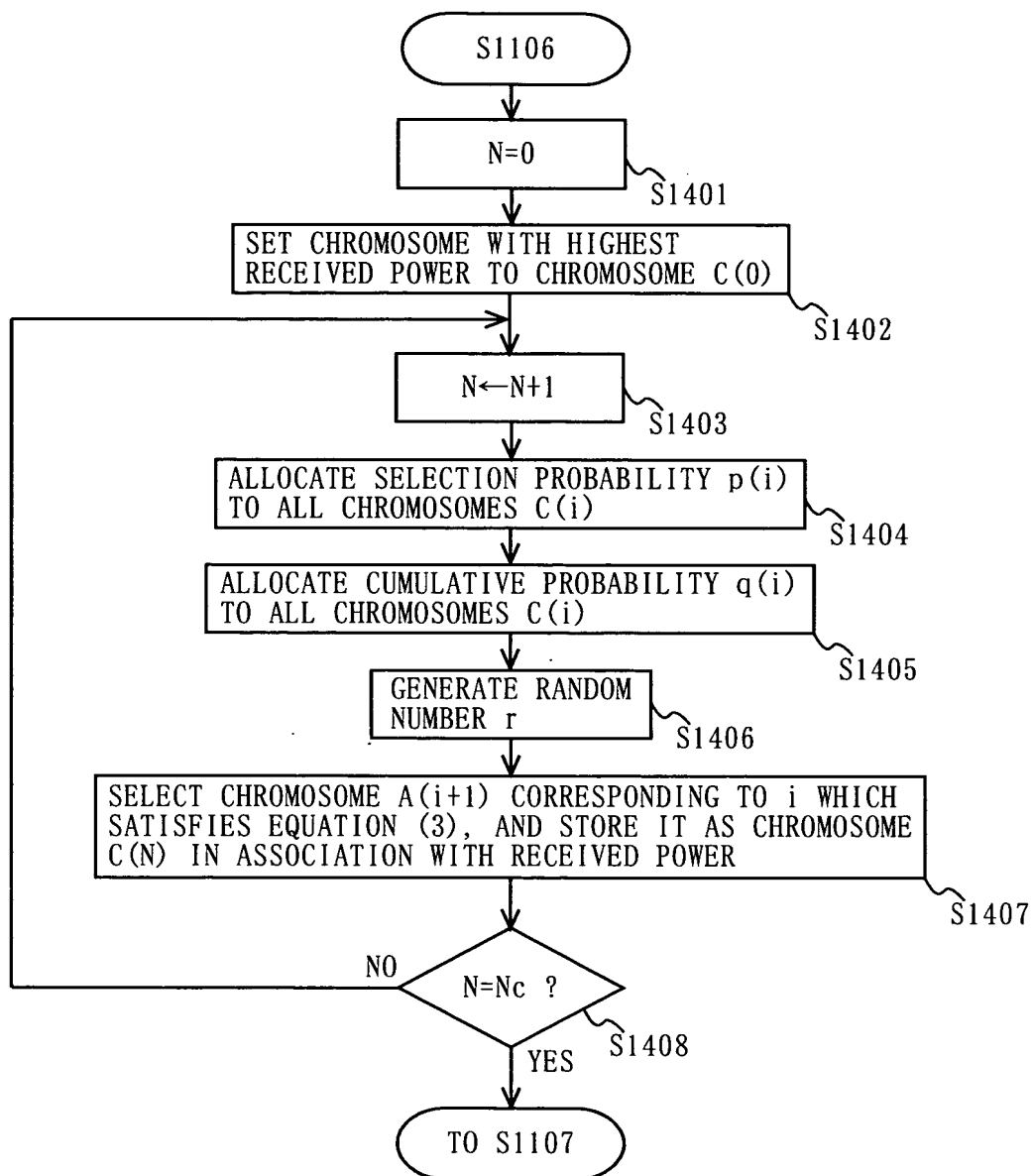


FIG. 27

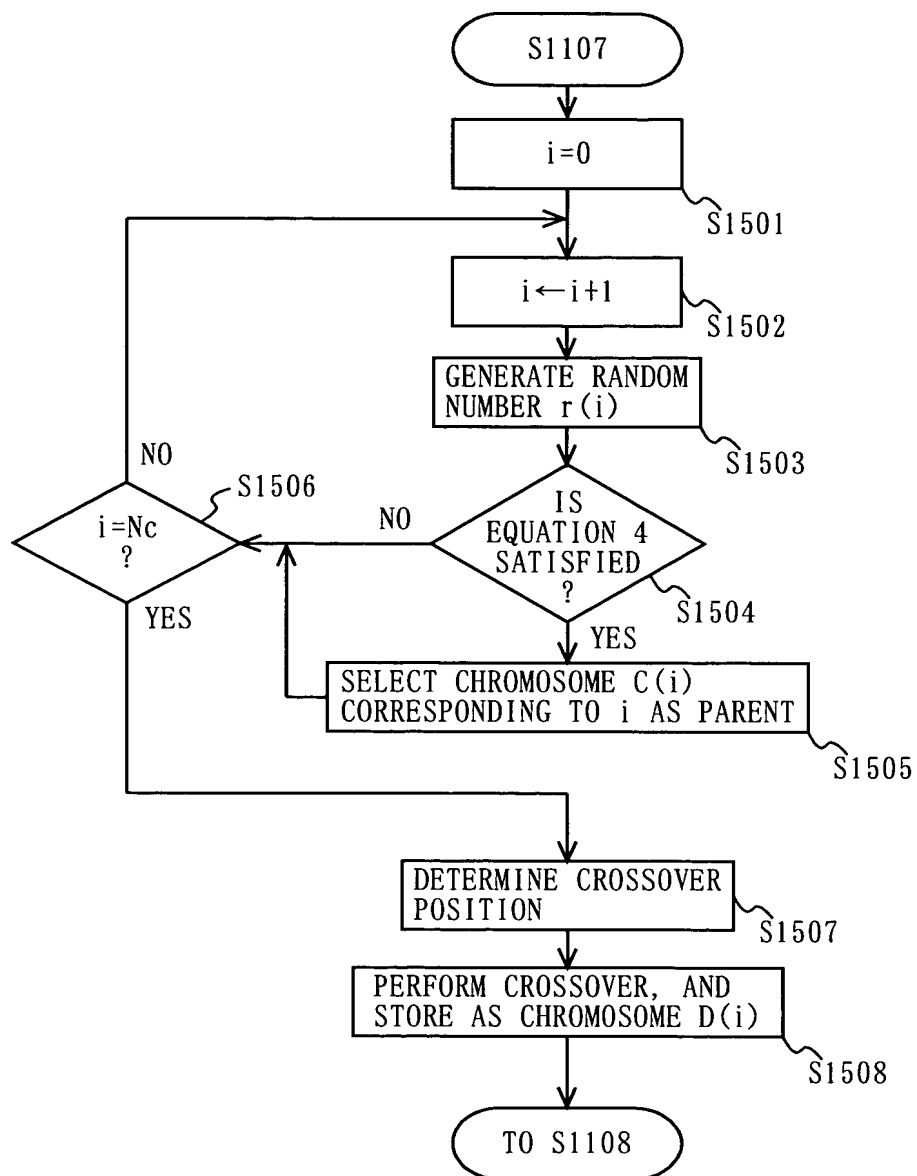


FIG. 28

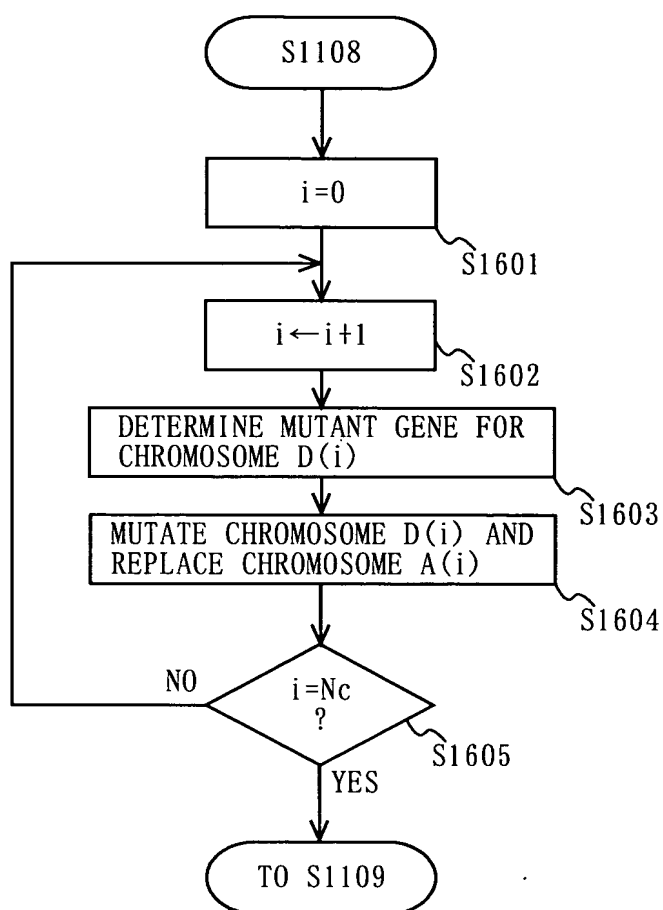


FIG. 29

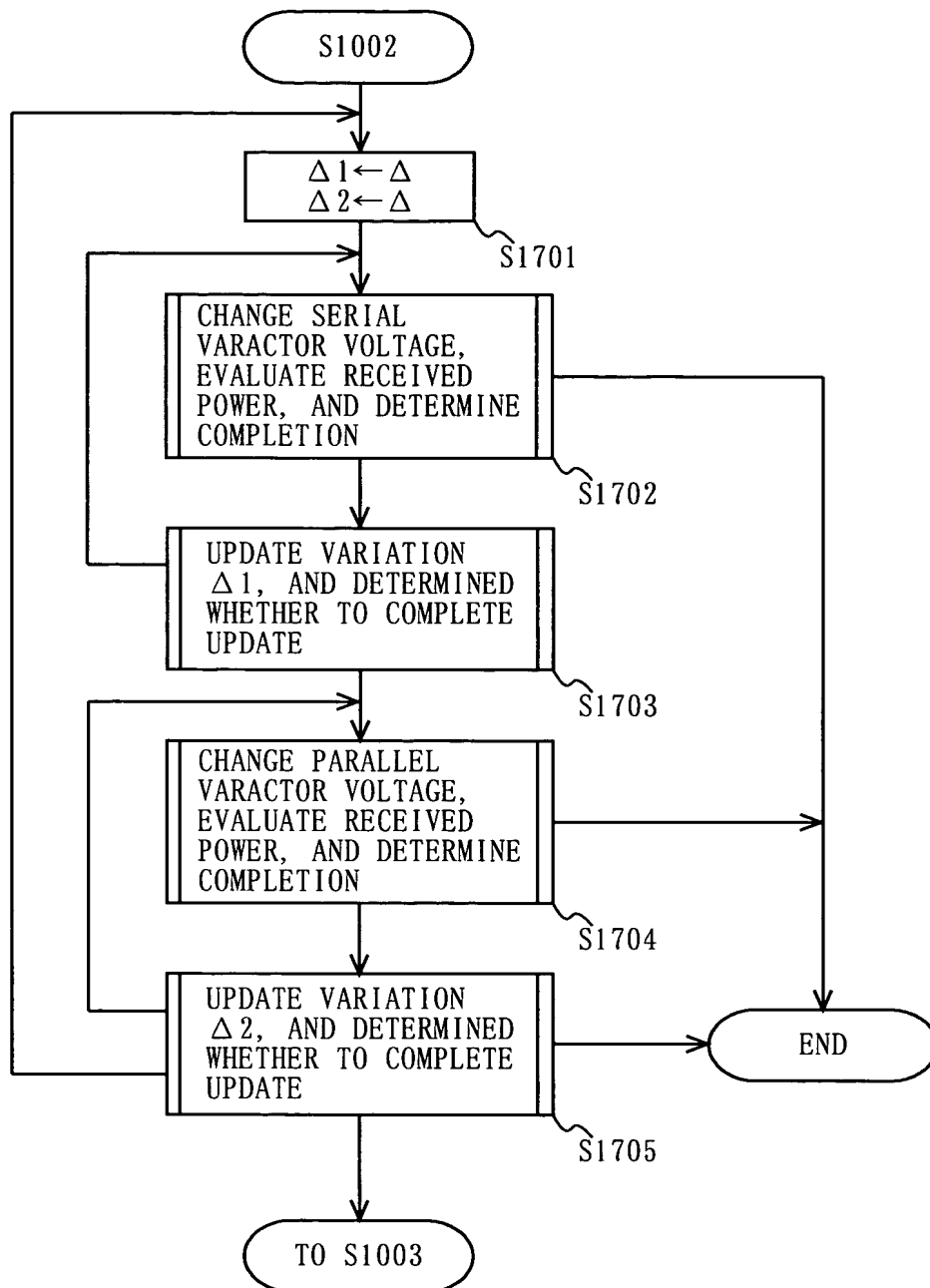


FIG. 30

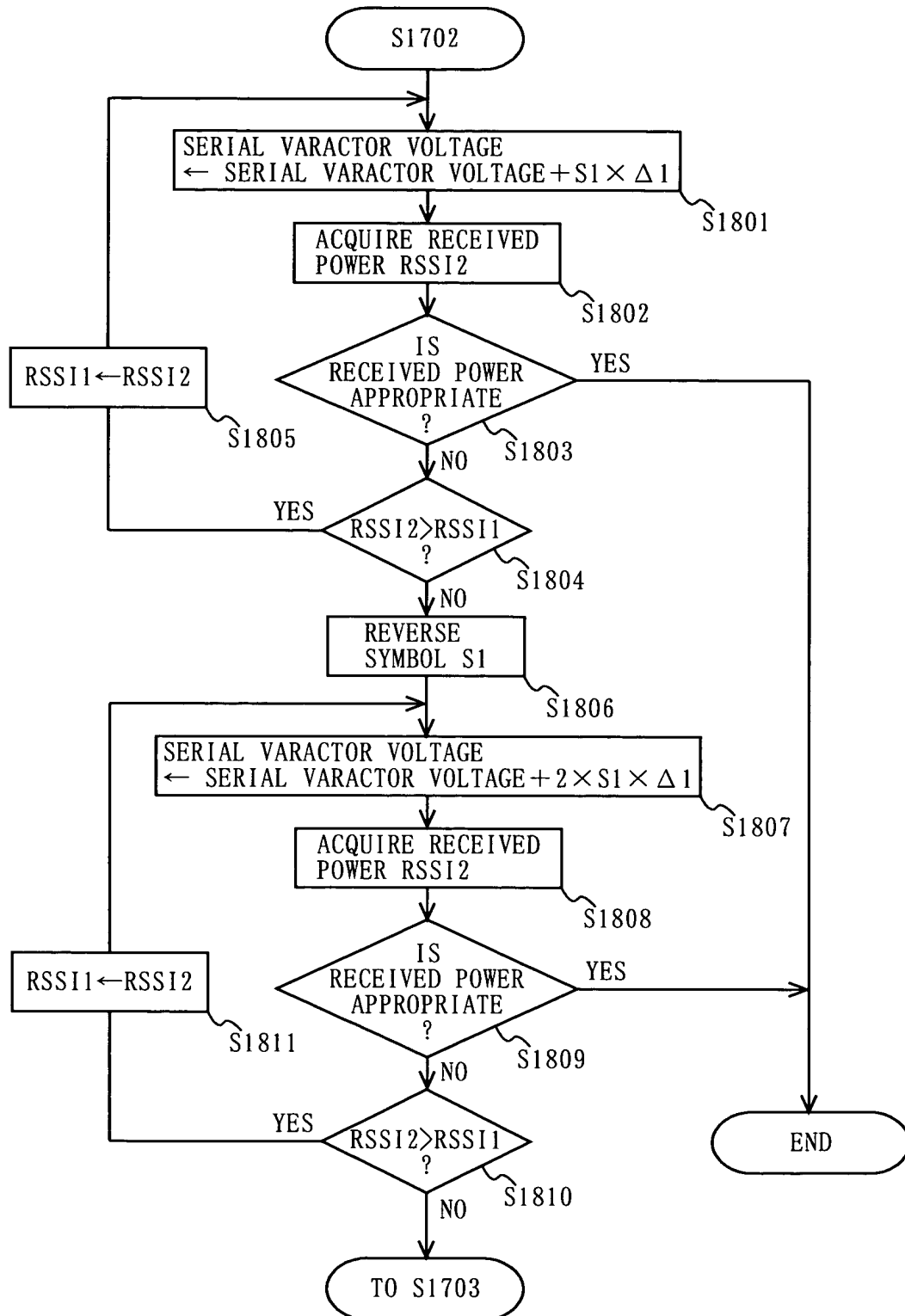


FIG. 31

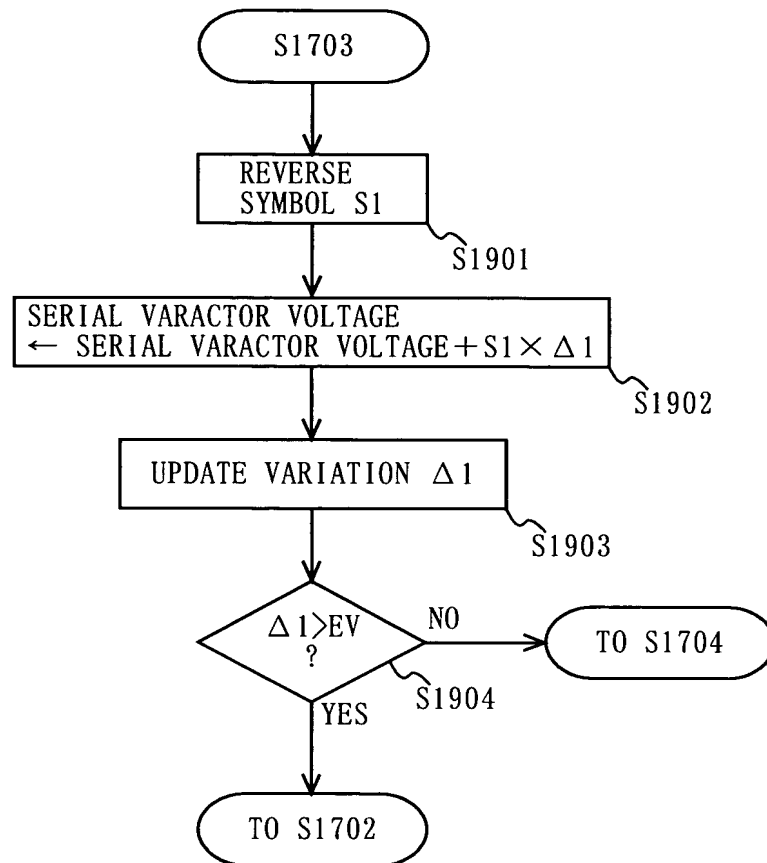


FIG. 32

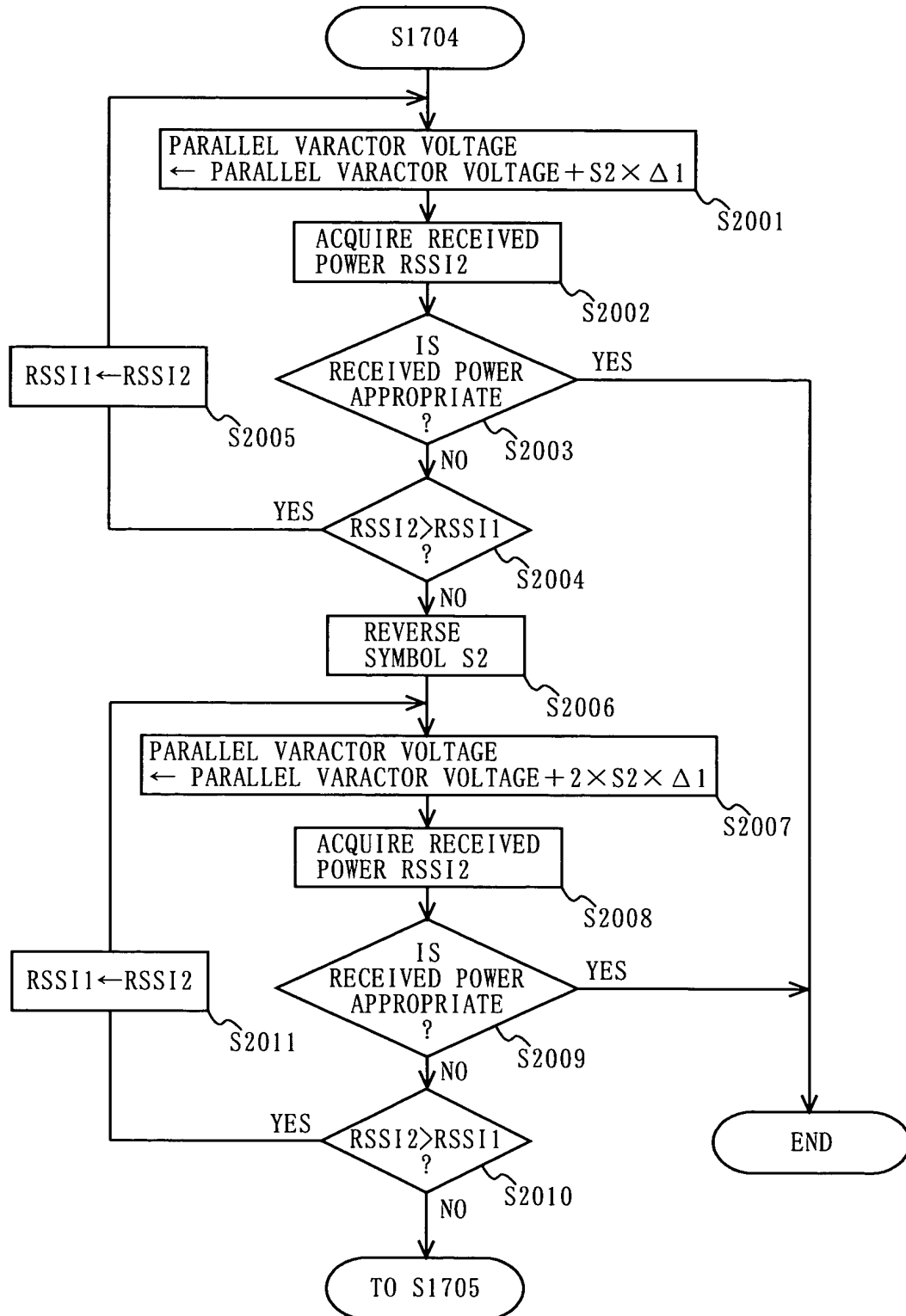


FIG. 33

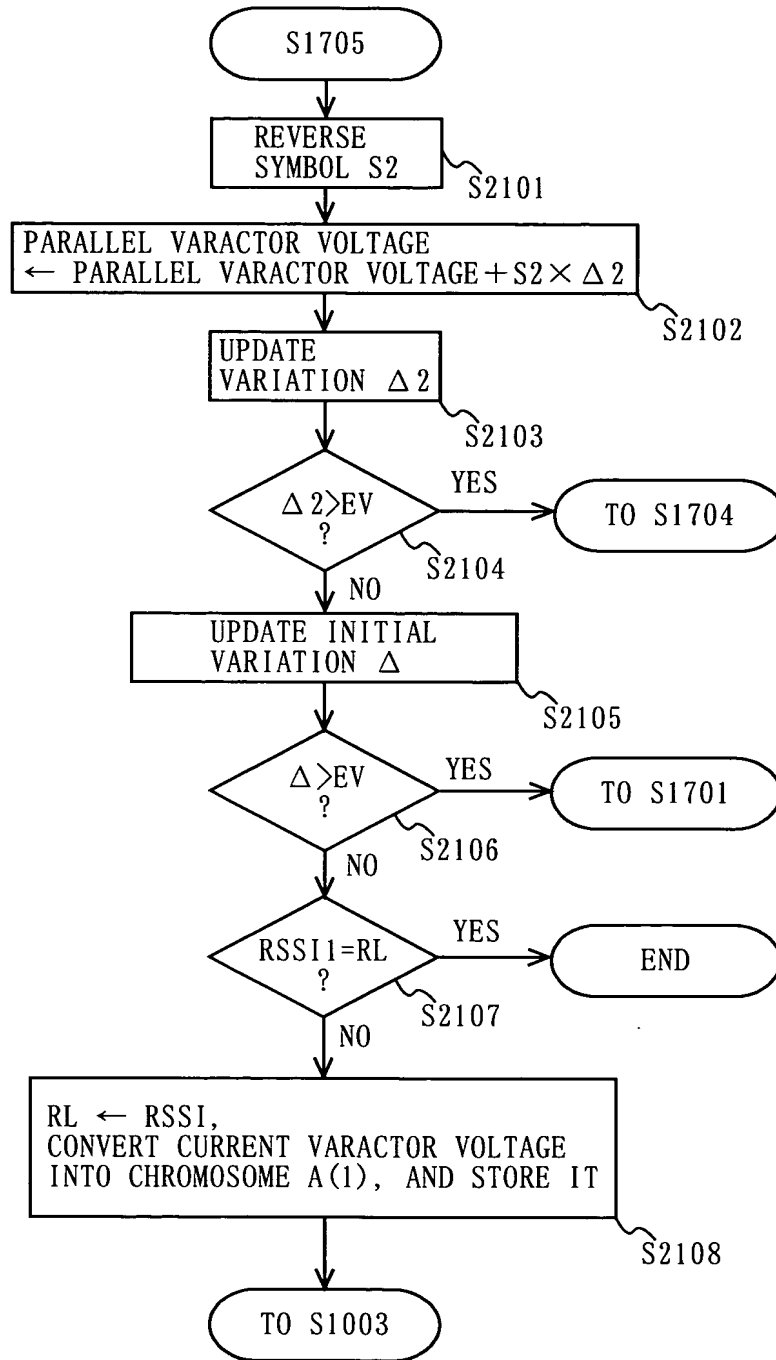


FIG. 34

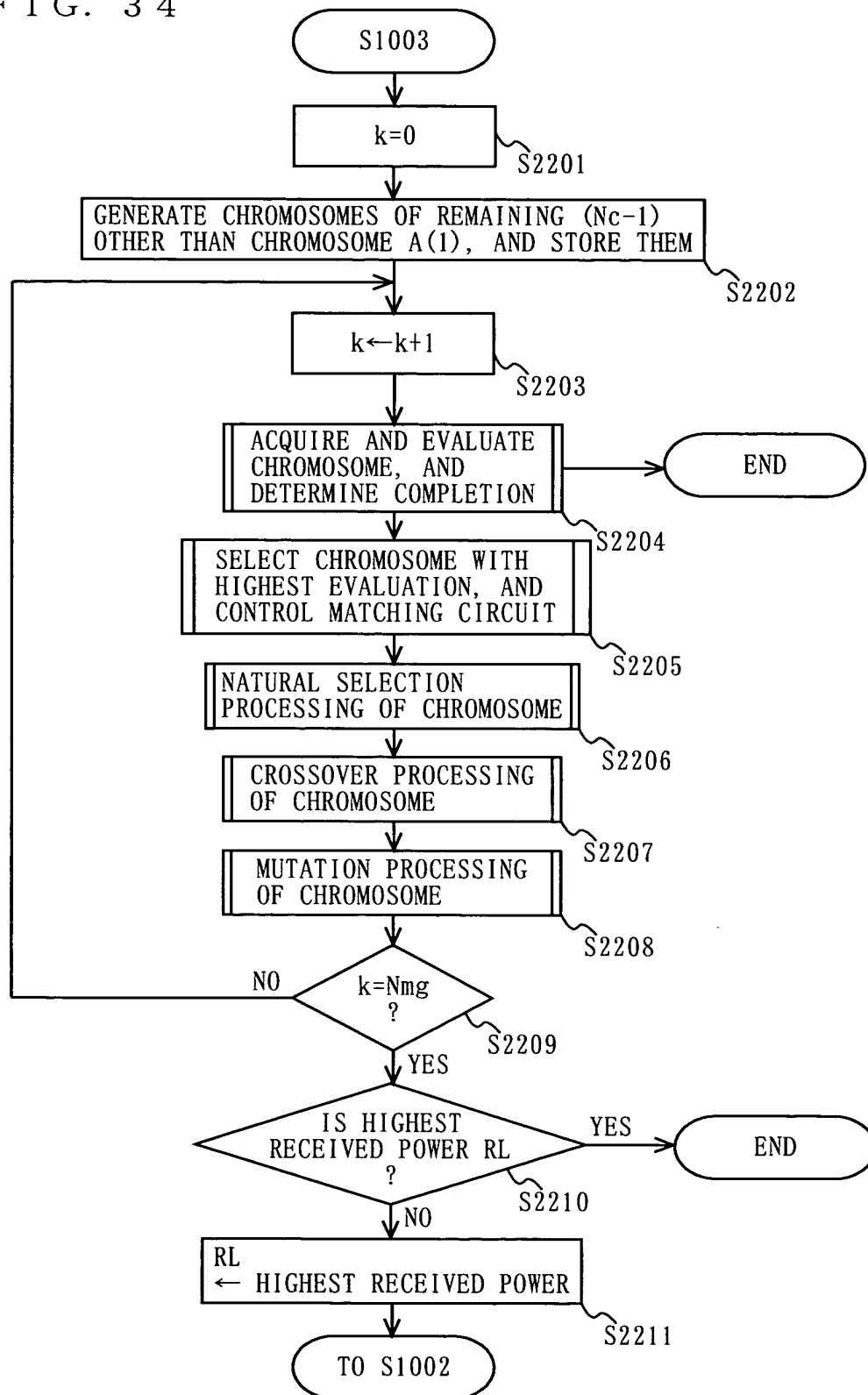


FIG. 35

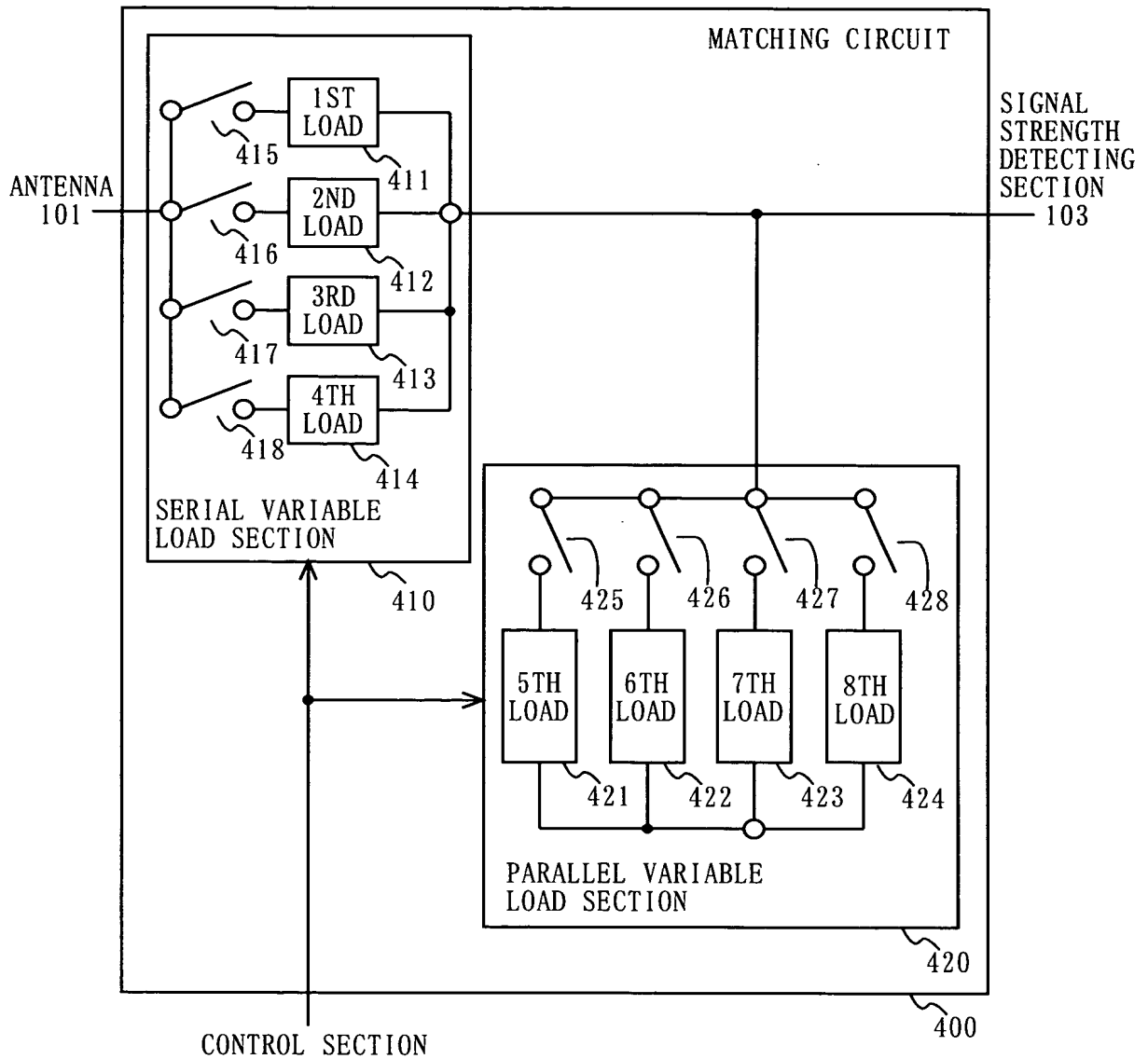


FIG. 36

INITIAL PARAMETER TABLE FOR USE SITUATION	
INITIAL PARAMETER	USE SITUATION
0 1 0 0 0 0 1 0	FREE SPACE
1 1 0 0 0 1 0 1	CALL POSTURE
1 0 1 0 0 1 1 1	E-MAIL POSTURE

FIG. 37

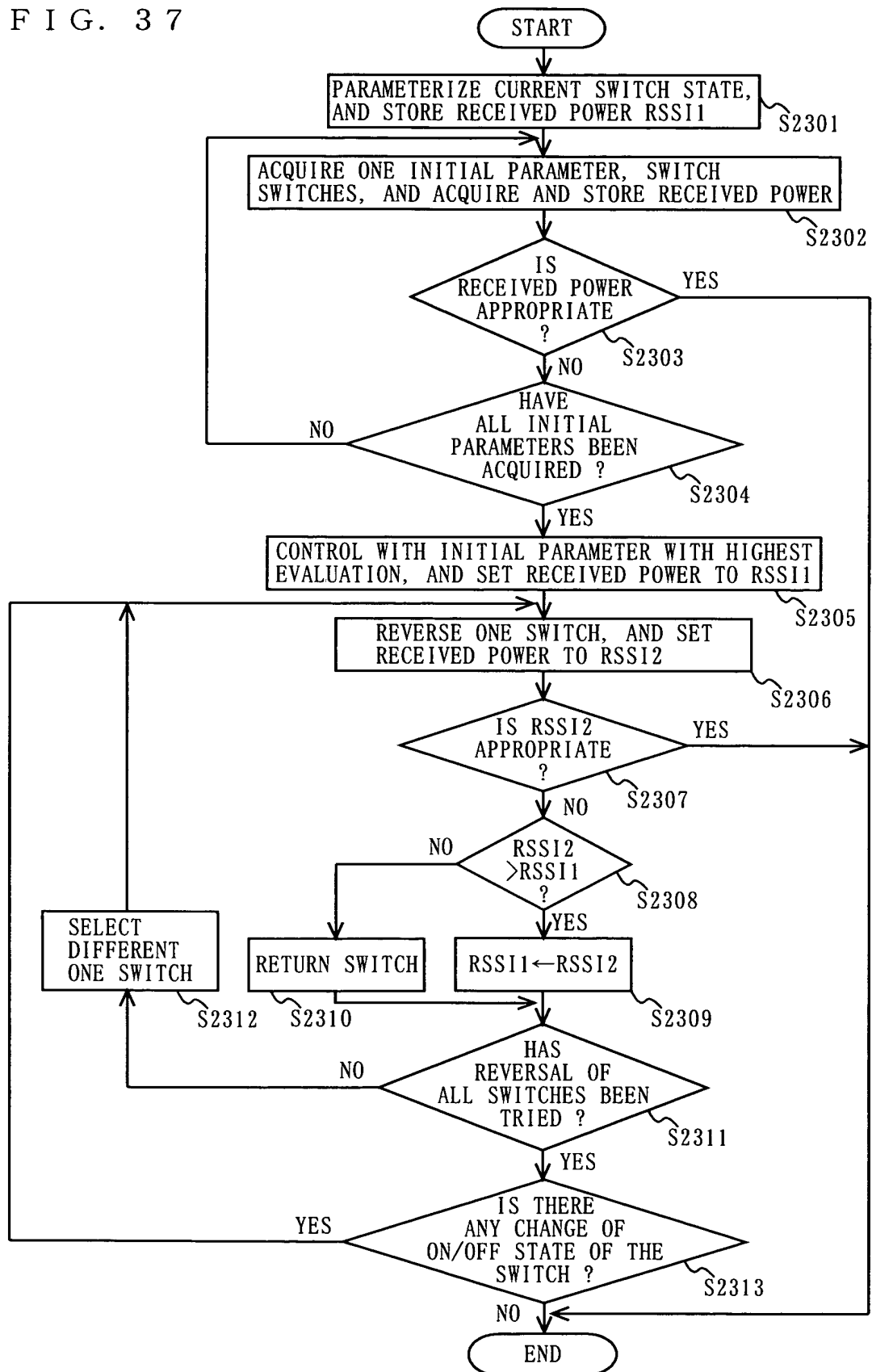


FIG. 38

USE SITUATION INITIAL CHROMOSOME TABLE	
INITIAL CHROMOSOME	USE SITUATION
0 1 0 0 0 0 1 0	FREE SPACE
1 1 0 0 0 1 0 1	CALL POSTURE
1 0 1 0 0 1 1 1	E-MAIL POSTURE

FIG. 39

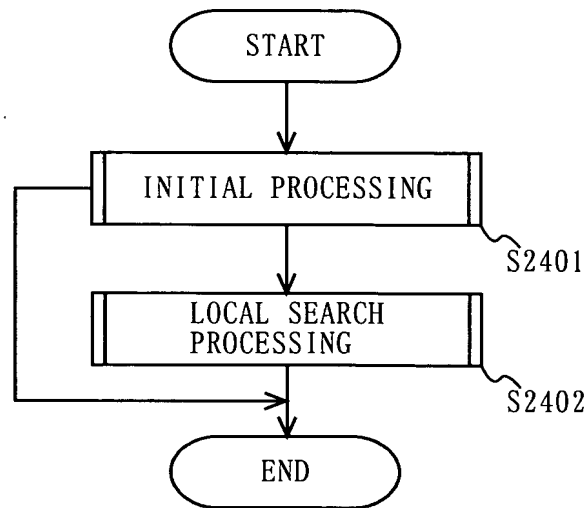


FIG. 40

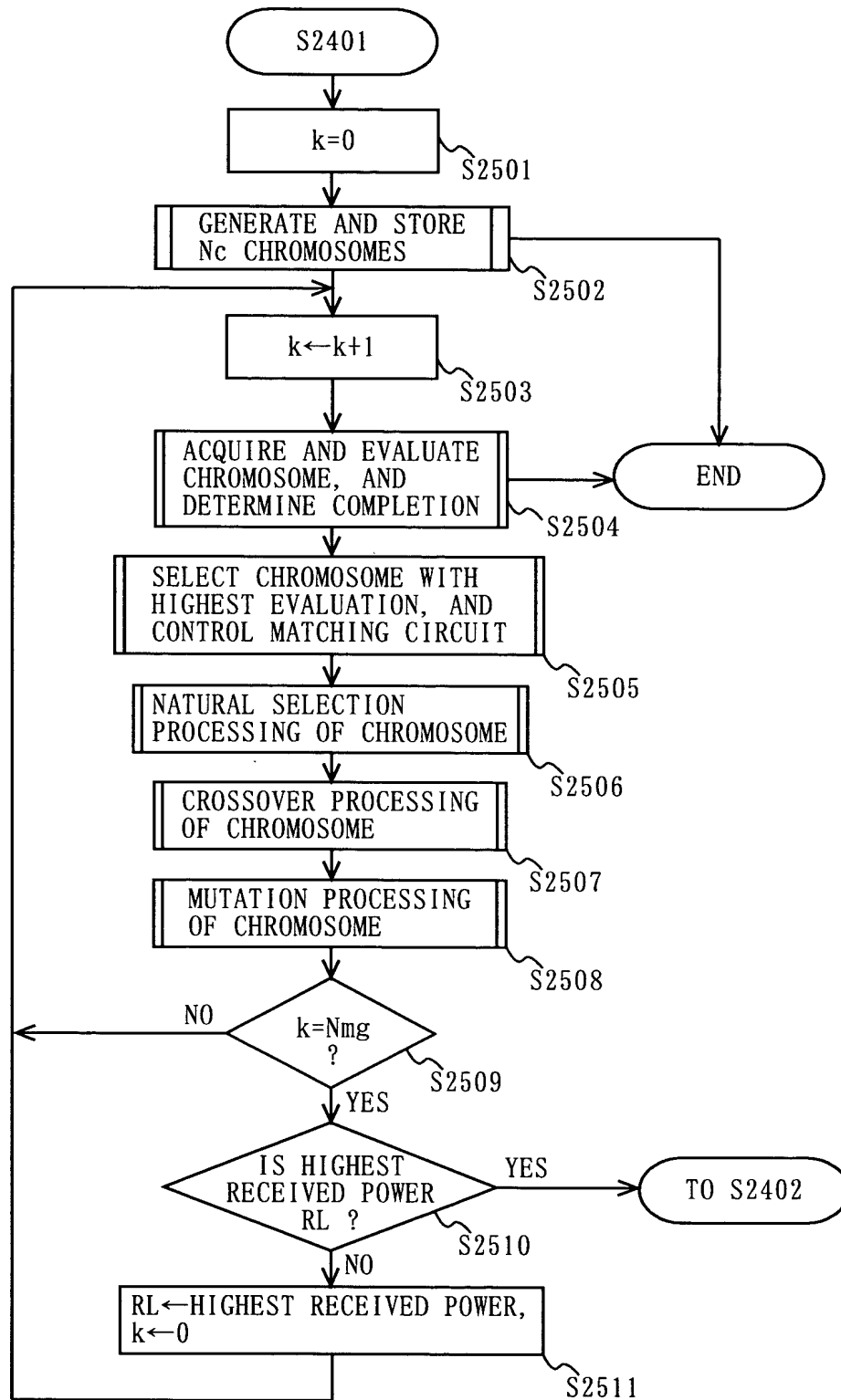


FIG. 41

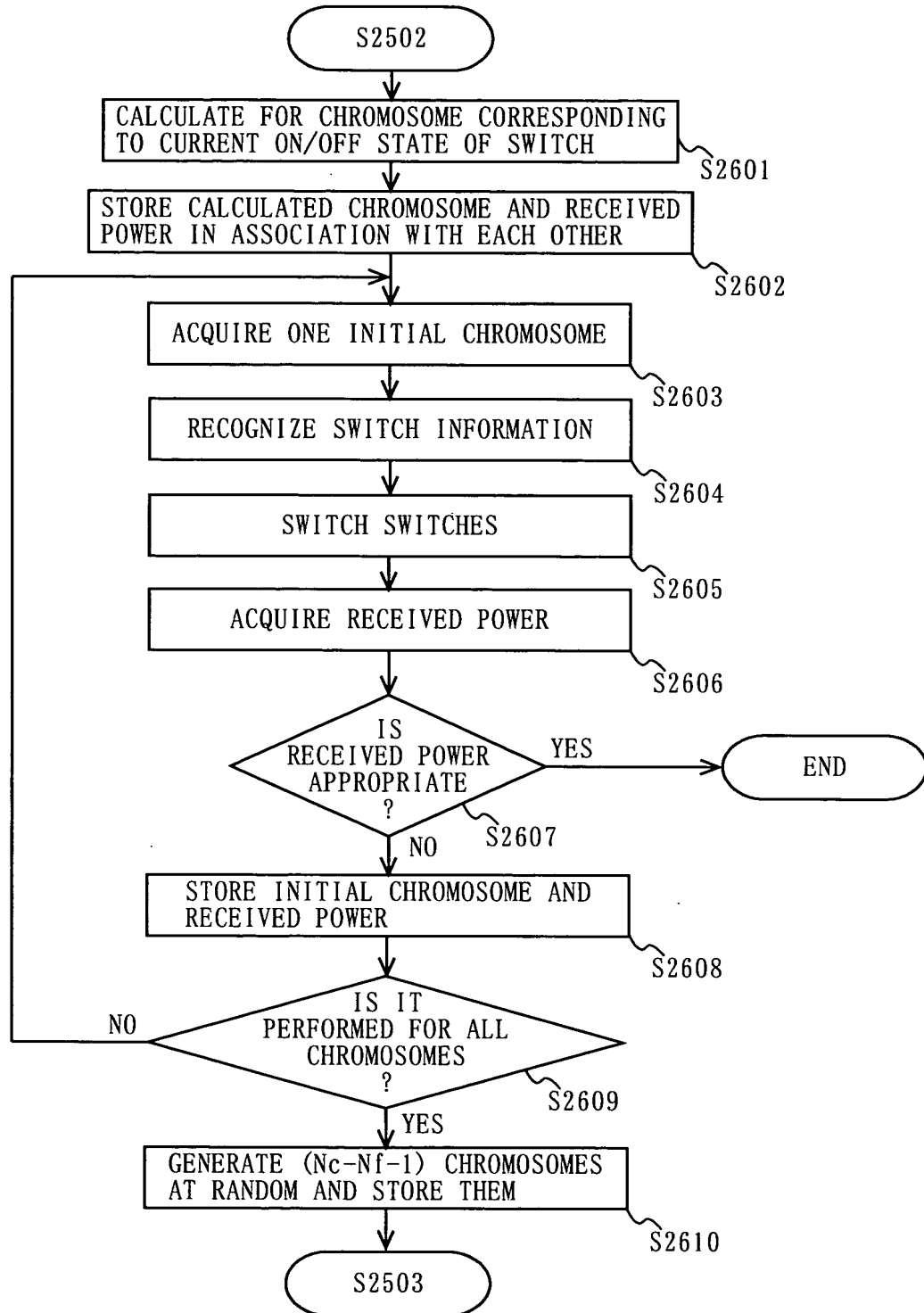


FIG. 42

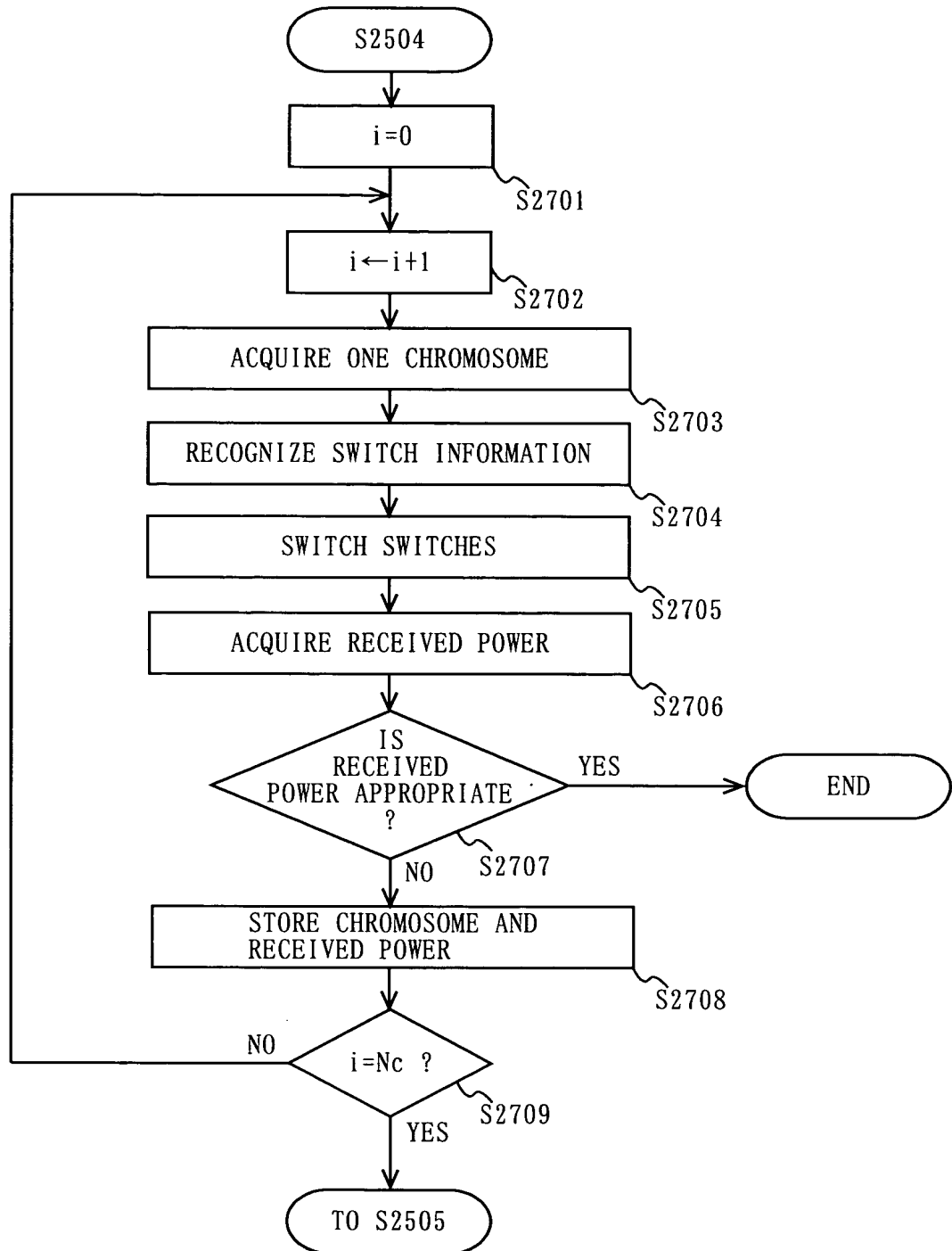


FIG. 43

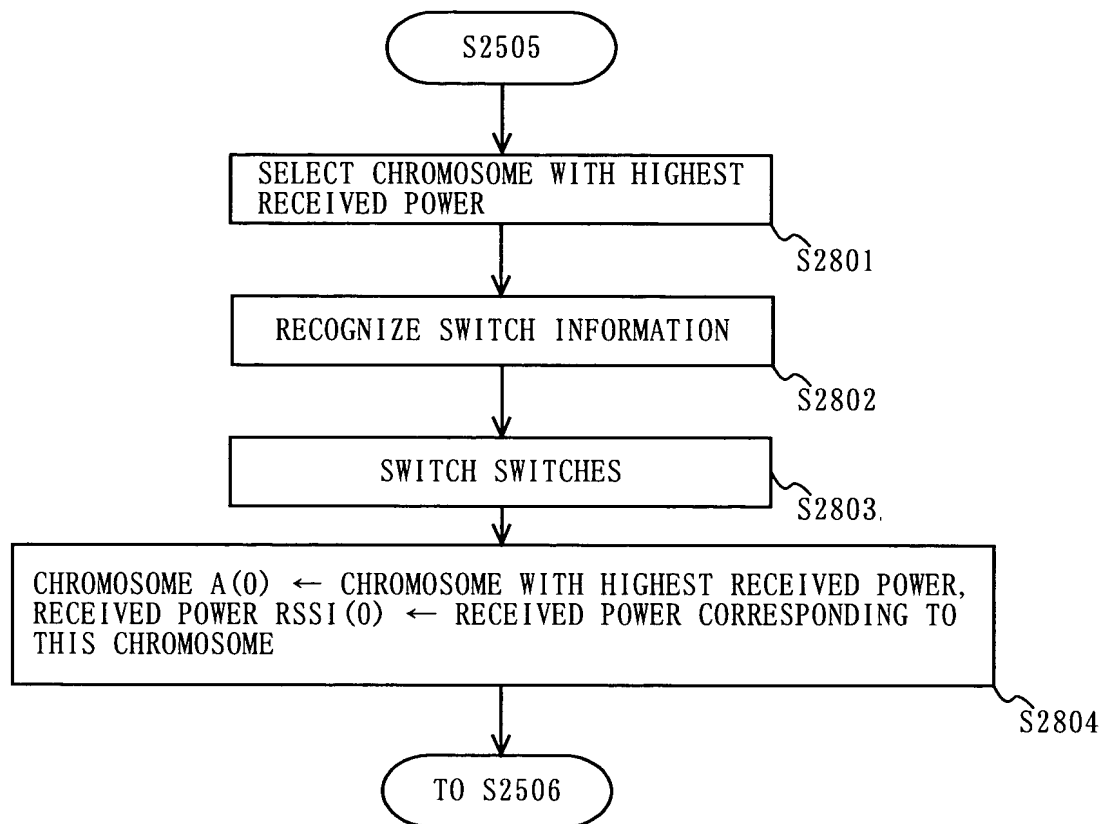


FIG. 44

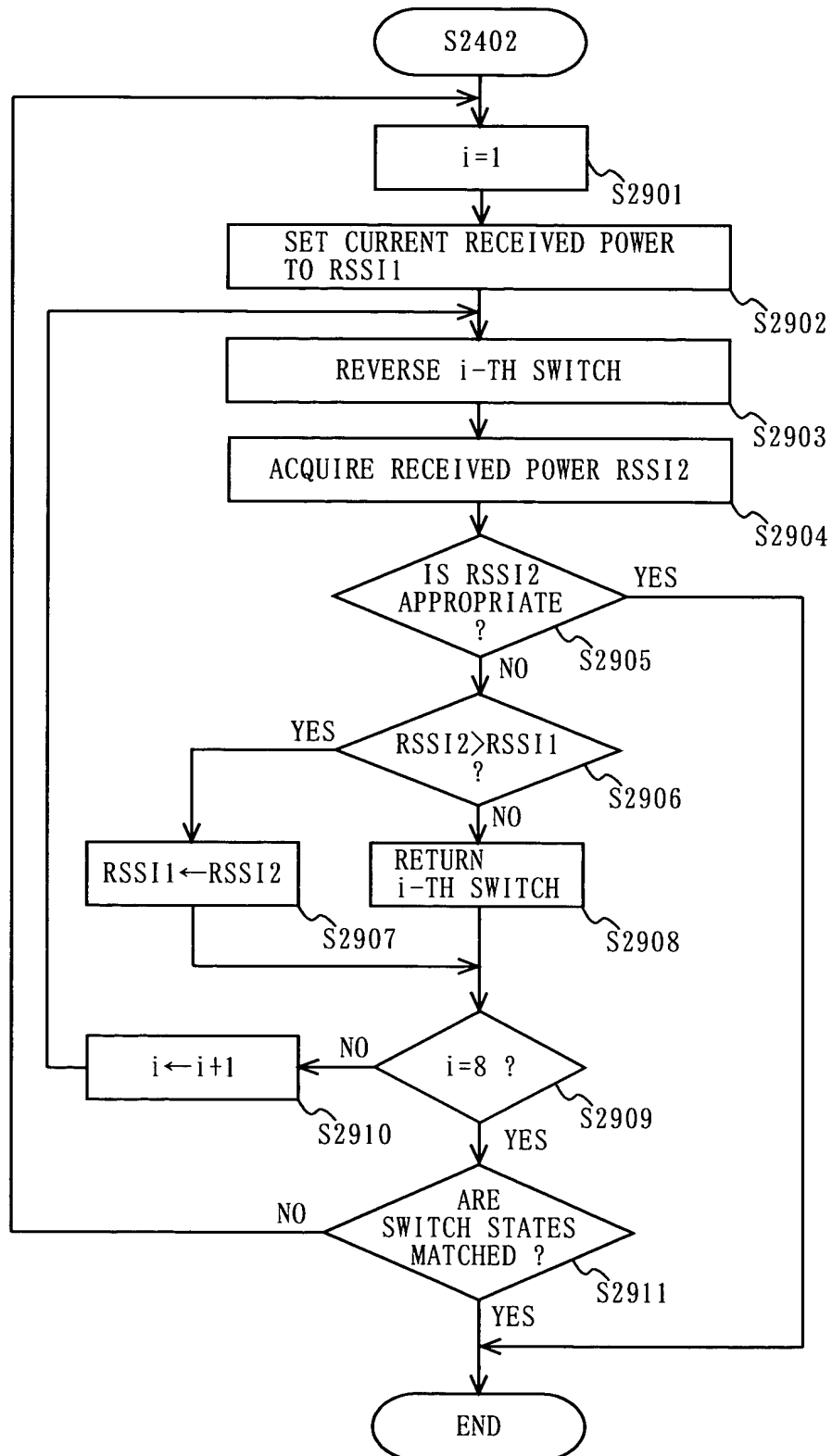


FIG. 45

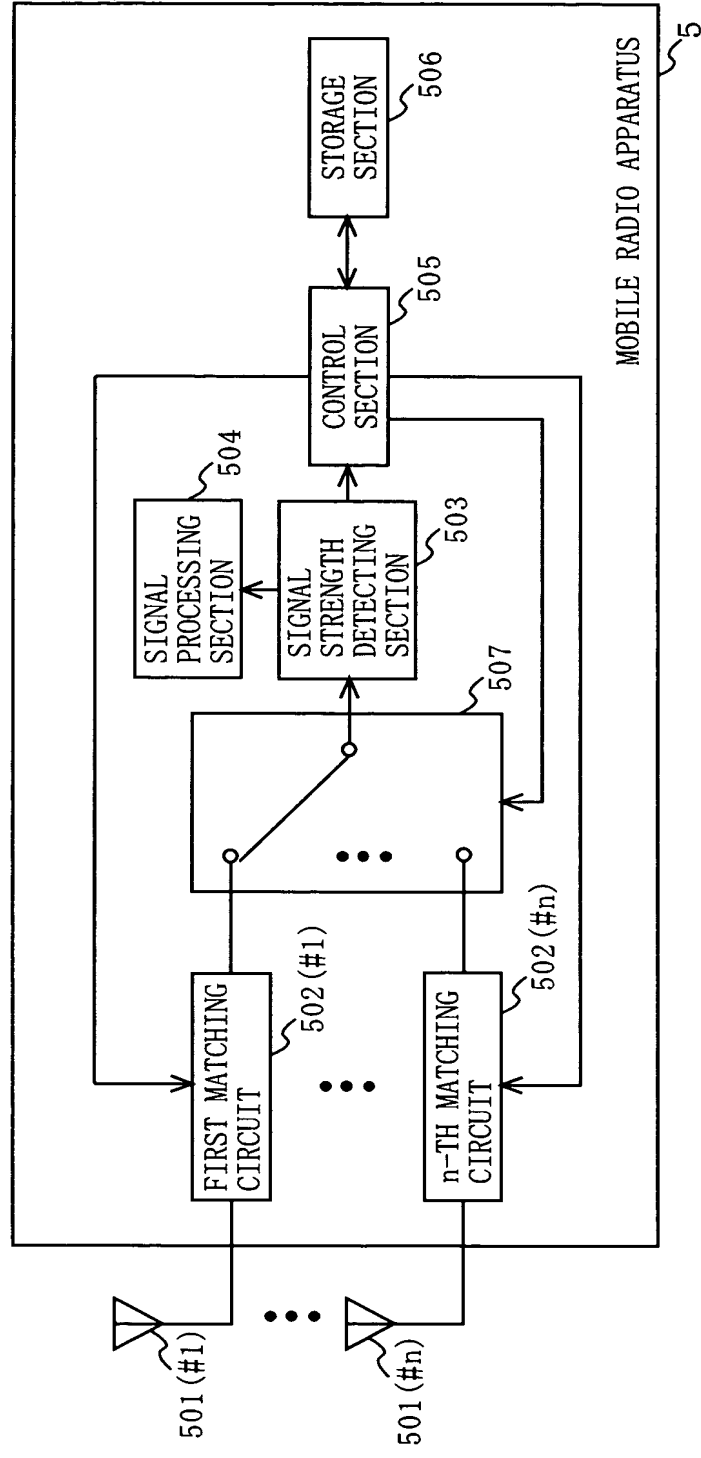


FIG. 46

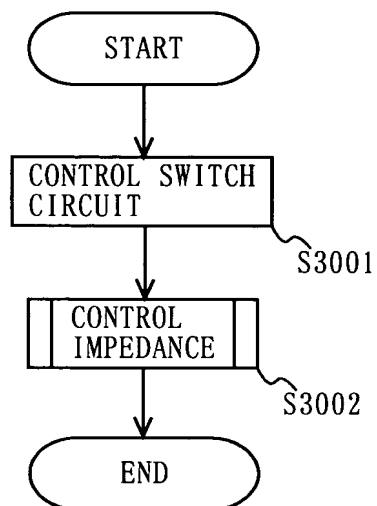


FIG. 47A

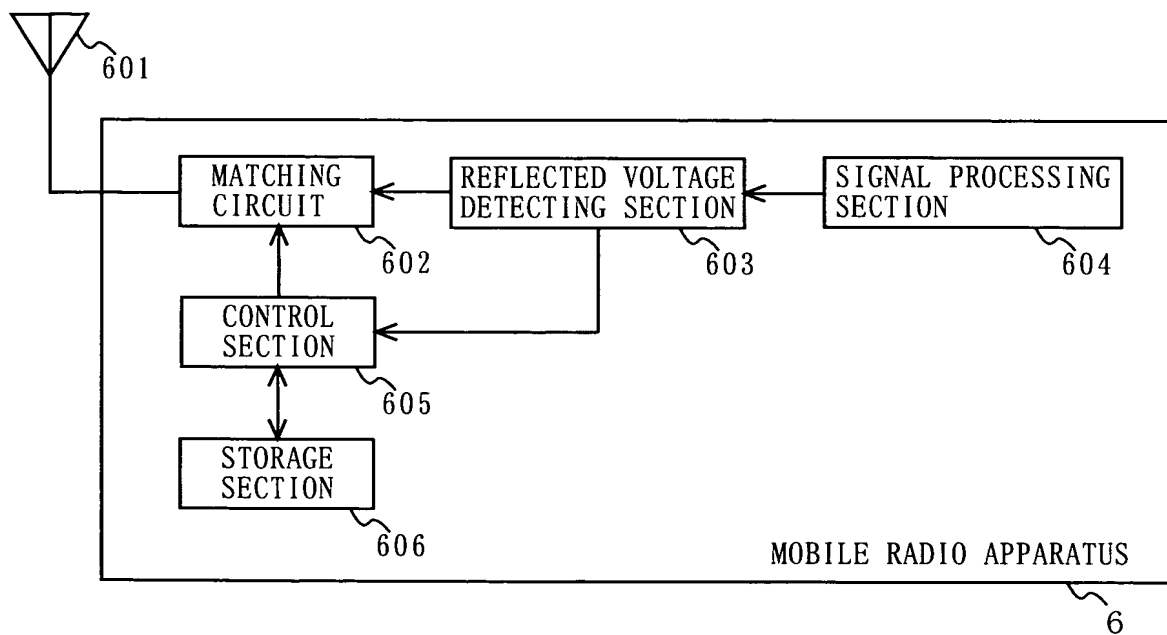


FIG. 47B

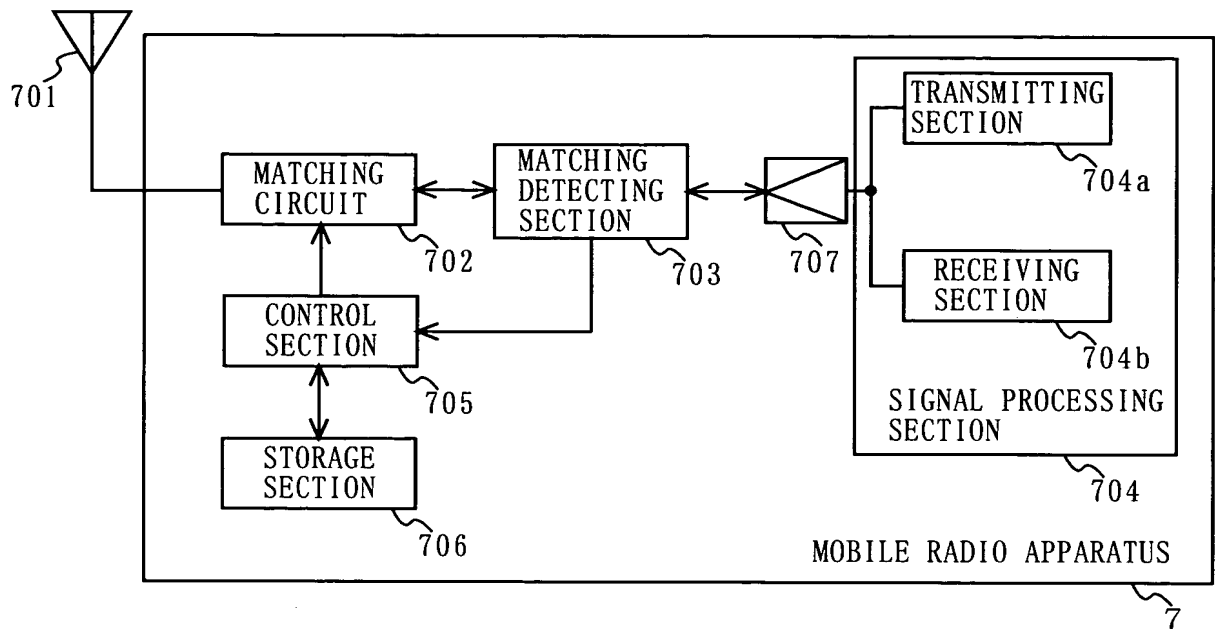
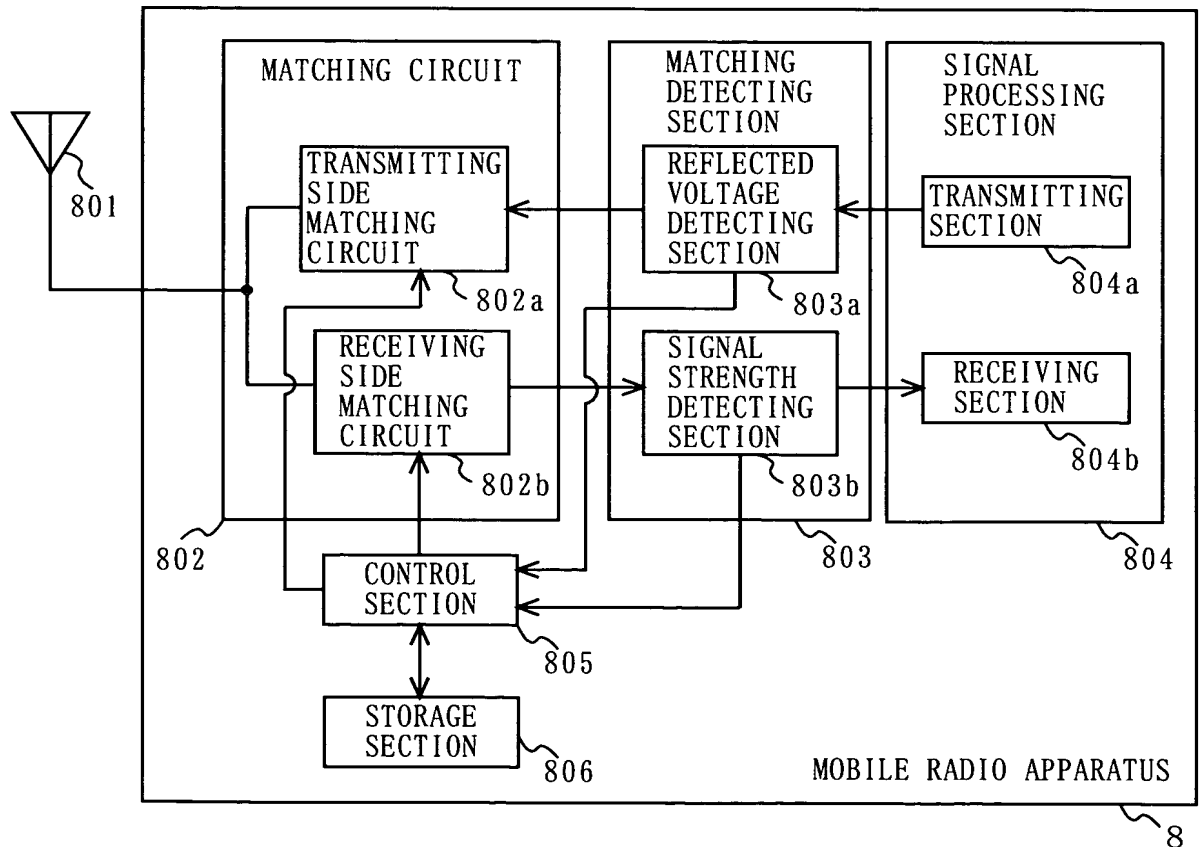
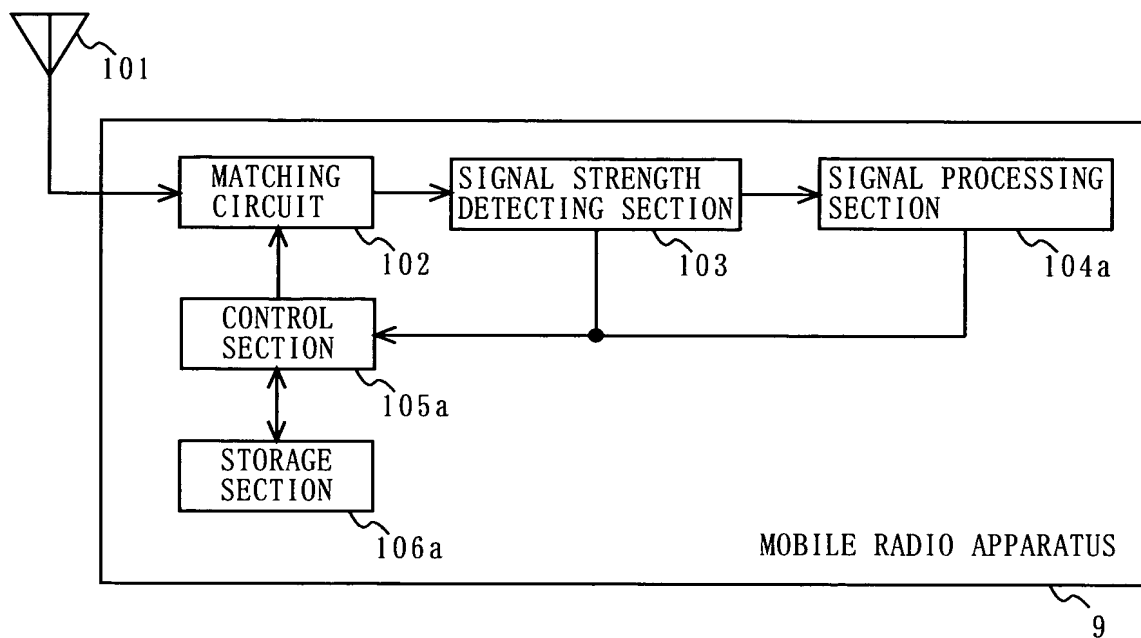


FIG. 47C



F I G . 4 8



F I G . 4 9

INITIAL PARAMETER TABLE FOR USE SITUATION			
INITIAL LOAD VALUE FOR MOBILE PHONE			USE SITUATION
NUMBER	VARACTOR VOLTAGE		
	206	207	
A(1)	3.0V	1.0V	FREE SPACE
A(2)	2.5V	1.5V	CALL POSTURE
A(3)	2.0V	3.0V	E-MAIL POSTUR

F I G. 5 0

INITIAL PARAMETER TABLE FOR USE SITUATION			
INITIAL LOAD VALUE FOR DTV			USE SITUATION
NUMBER	VARACTOR VOLTAGE		
	206	207	
AD(1)	2.0V	2.5V	FREE SPACE
AD(2)	1.5V	2.0V	HOLD WITH ONE HAND
AD(3)	1.7V	1.3V	HOLD WITH BOTH HANDS
AD(4)	1.3V	0.7V	ON DESK

F I G. 5 1

INITIAL PARAMETER TABLE FOR USE SITUATION			
INITIAL LOAD VALUE FOR RADIO LAN			USE SITUATION
NUMBER	VARACTOR VOLTAGE		
	206	207	
AW(1)	1.7V	2.3V	FREE SPACE
AW(2)	1.6V	1.9V	HOLD WITH ONE HAND
AW(3)	1.5V	1.0V	HOLD WITH BOTH HANDS

FIG. 52

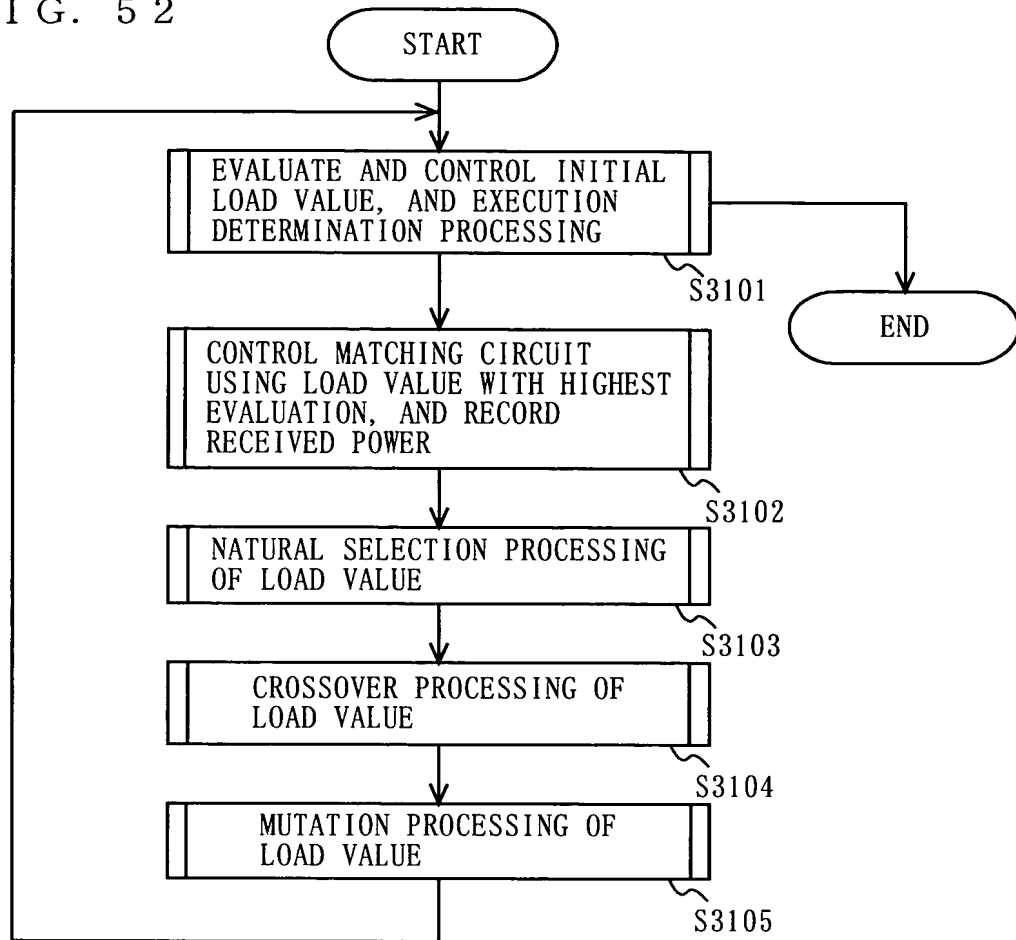


FIG. 53

LOAD VALUE RECEIVING TABLE			
INITIAL LOAD VALUE FOR RADIO LAN			RECEIVED POWER
NUMBER	VARACTOR VOLTAGE		
	206	207	
BW(1)	1.7V	2.3V	R S S S I 1
BW(2)	1.7V	2.3V	R S S S I 2
BW(3)	1.6V	1.9V	R S S S I 3
BW(4)	1.5V	1.0V	R S S S I 4

FIG. 54

LOAD VALUE RECEIVING TABLE			
INITIAL LOAD VALUE FOR RADIO LAN			RECEIVED POWER
NUMBER	VARACTOR VOLTAGE		
	206	207	
CW(1)	1.7V	2.3V	R S S S I 2
CW(2)	1.7V	2.3V	R S S S I 1
CW(3)	1.7V	2.3V	R S S S I 2
CW(4)	1.5V	1.0V	R S S S I 4

FIG. 55

LOAD VALUE RECEIVING TABLE		
INITIAL LOAD VALUE FOR RADIO LAN		
NUMBER	VARACTOR VOLTAGE	
	206	207
DW(1)	1.7V	2.3V
DW(2)	1.7V	2.3V
DW(3)	1.6V	1.65V
DW(4)	1.55V	1.33V

F I G. 5 6

LOAD VALUE RECEIVING TABLE		
INITIAL LOAD VALUE FOR RADIO LAN		
NUMBER	VARACTOR VOLTAGE	
	206	207
EW(1)	0.6V	1.1V
EW(2)	1.7V	2.3V
EW(3)	1.6V	1.65V
EW(4)	1.55V	1.33V

F I G. 5 7

LOAD VALUE RECEIVING TABLE			
INITIAL LOAD VALUE FOR RADIO LAN			RECEIVED POWER
NUMBER	VARACTOR VOLTAGE		
	206	207	
BW(1)	1.6V	1.65V	R S S S I 5
BW(2)	0.6V	1.1V	R S S S I 6
BW(3)	1.7V	2.3V	R S S S I 7
BW(4)	1.6V	1.65V	R S S S I 8
BW(5)	1.55V	1.33V	R S S S I 9

FIG. 58

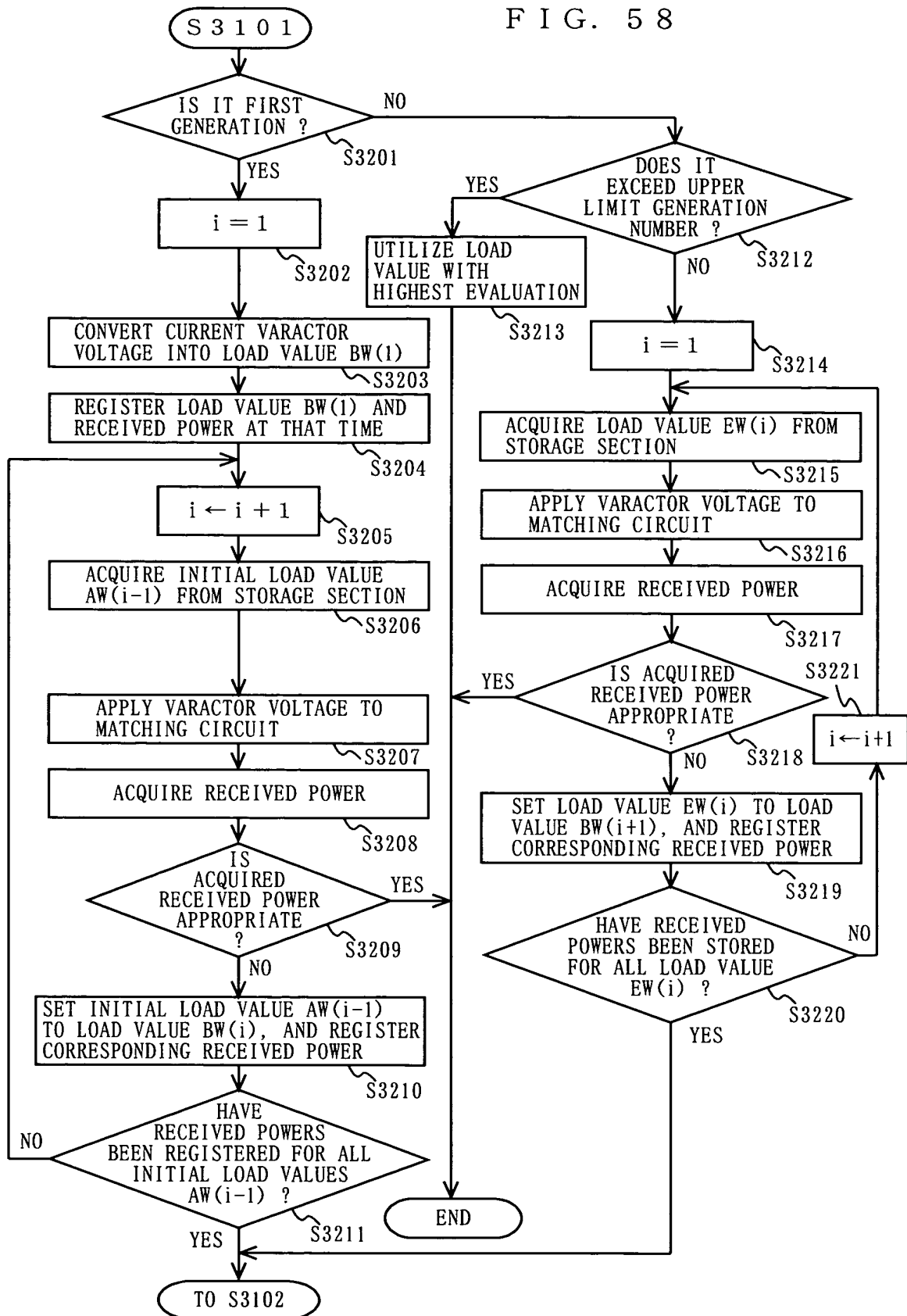


FIG. 59

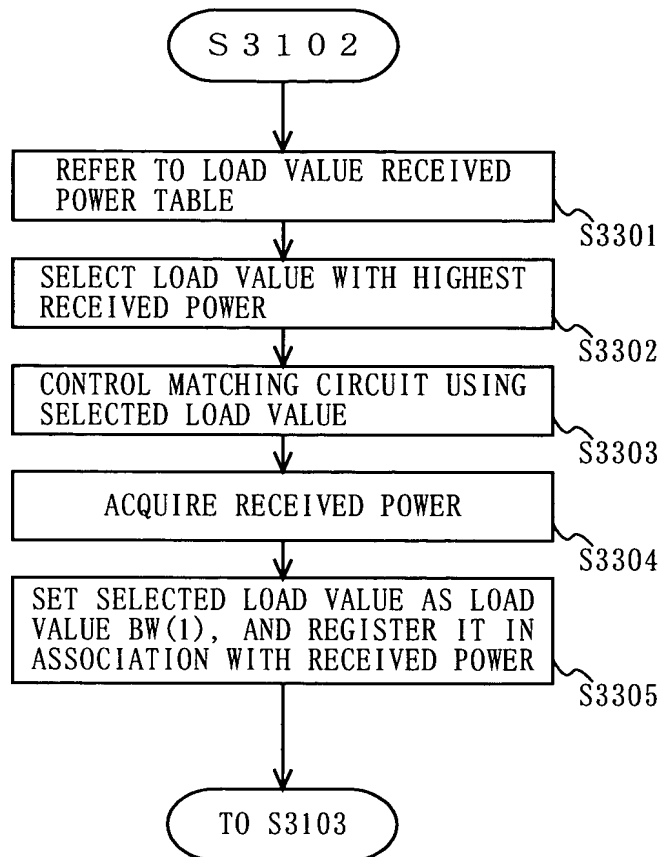


FIG. 60

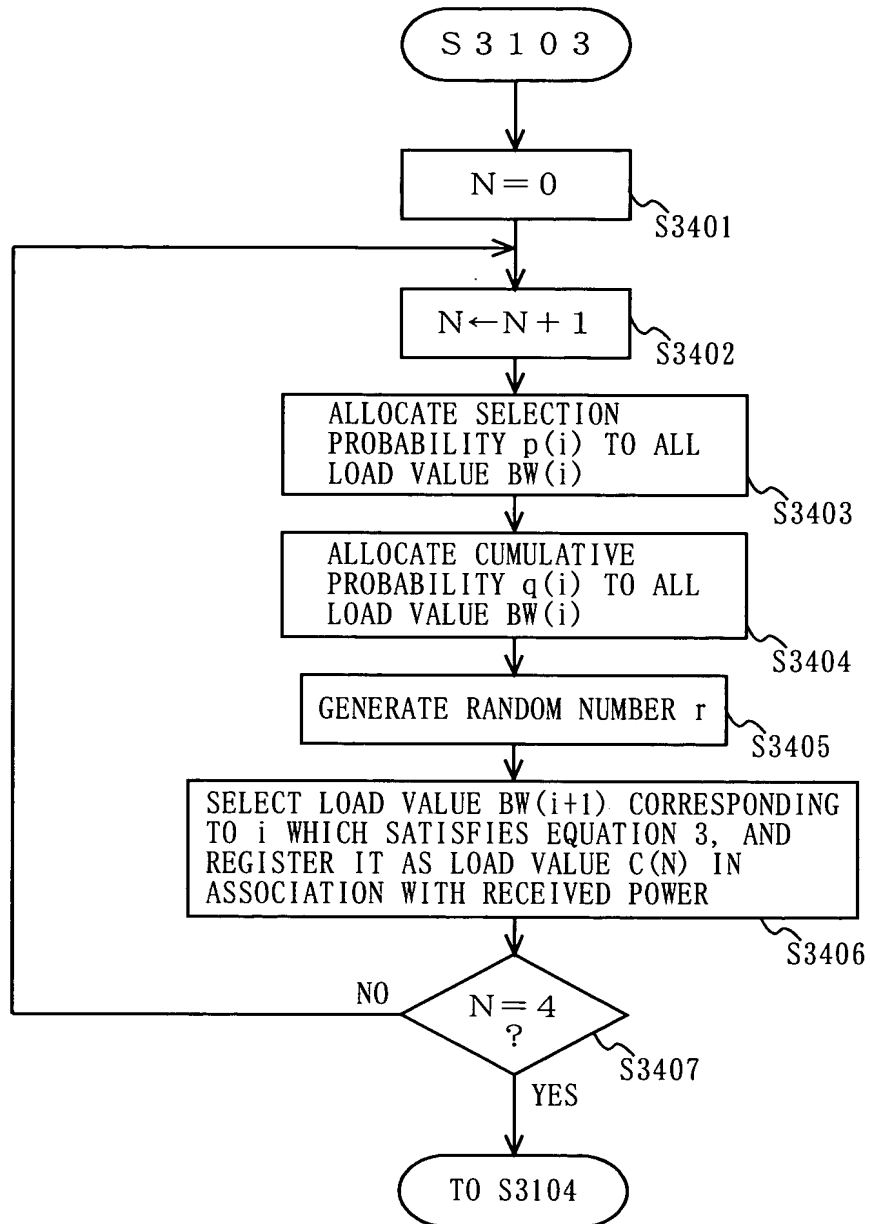


FIG. 61

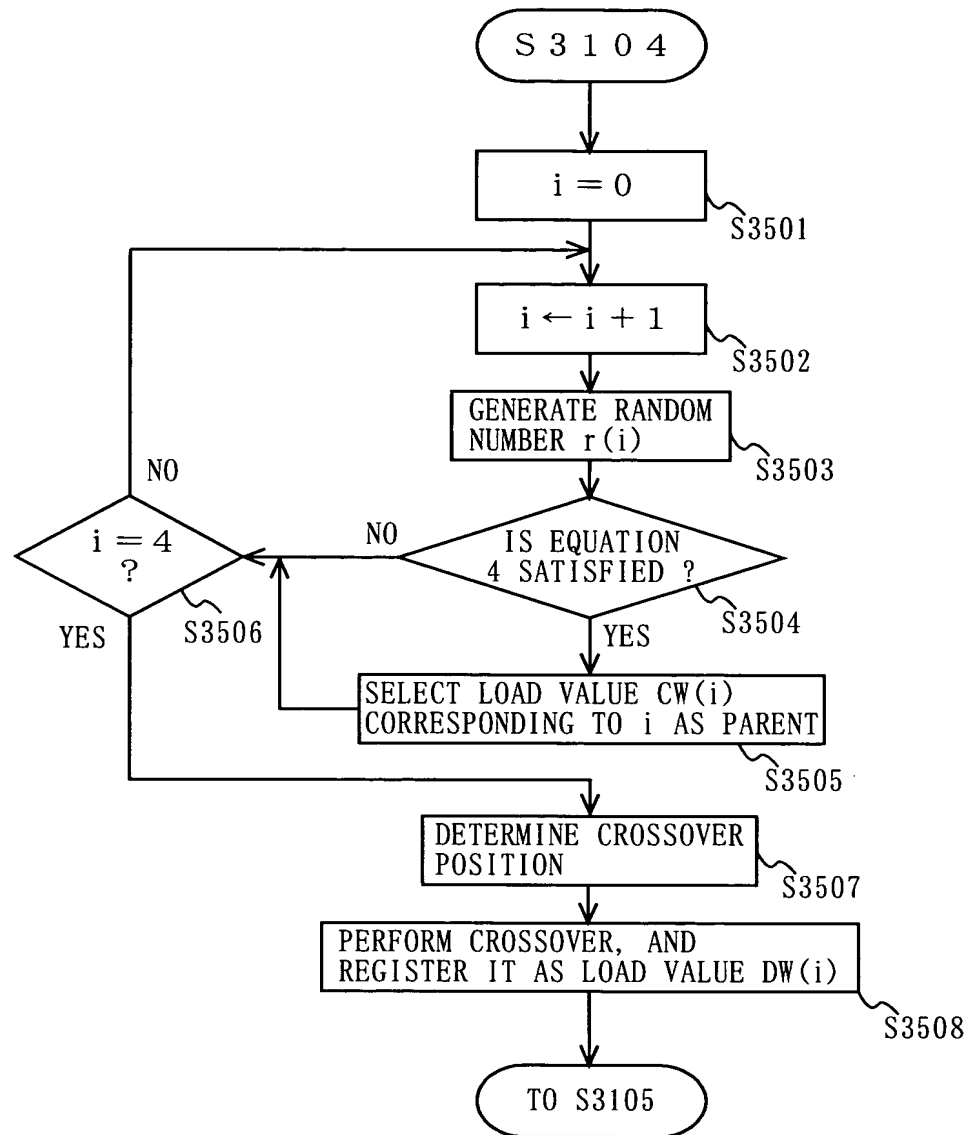


FIG. 62

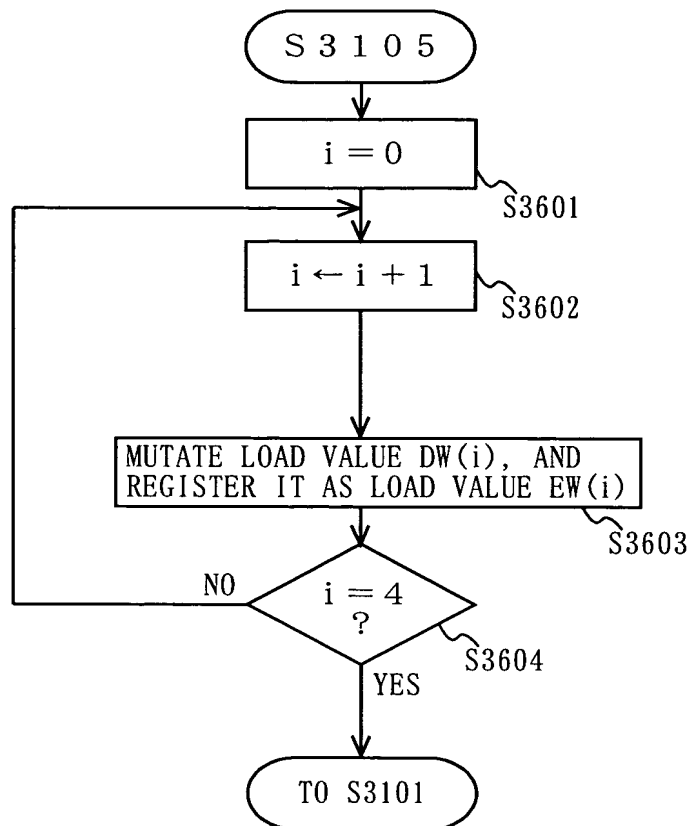


FIG. 63

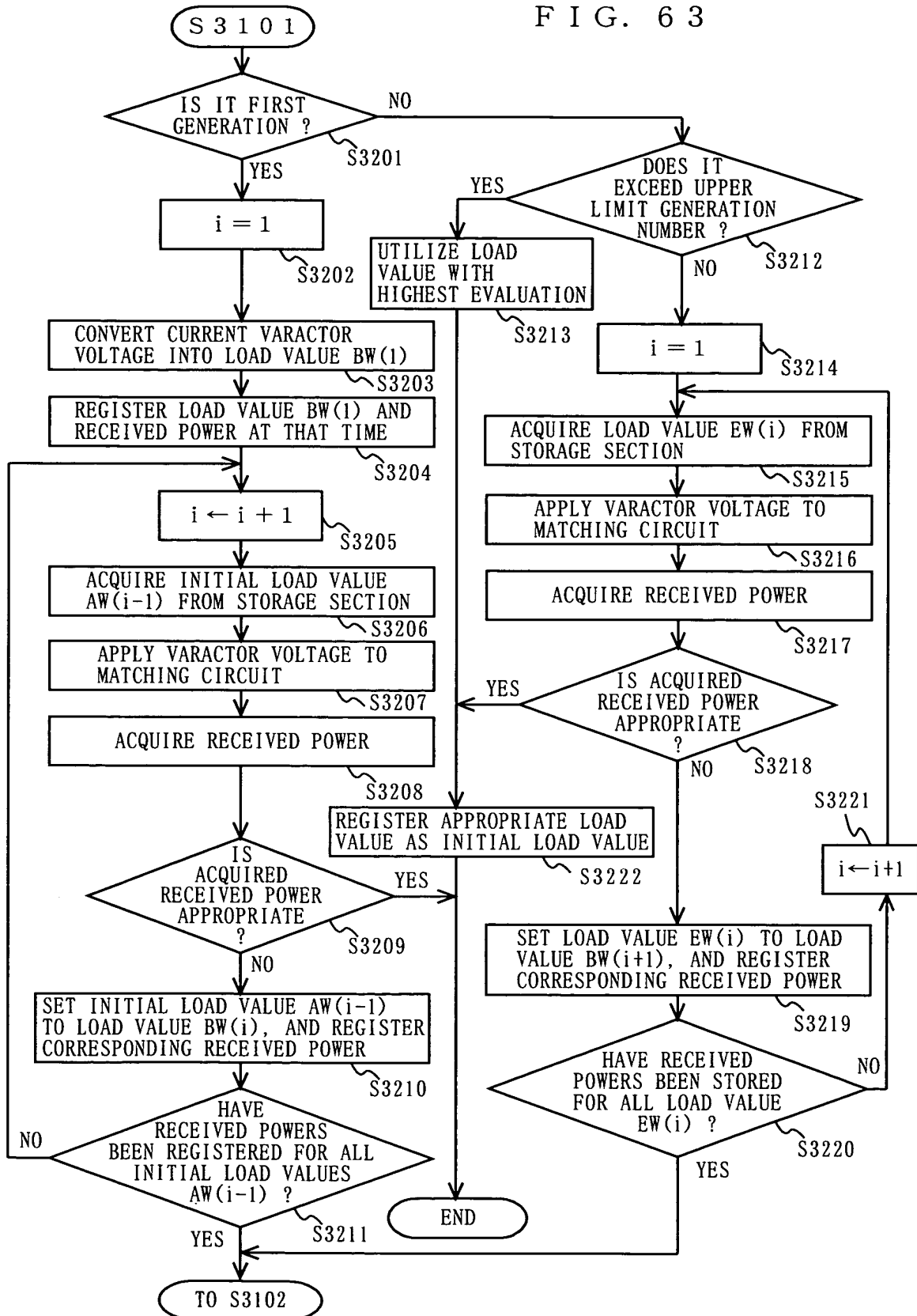


FIG. 64A

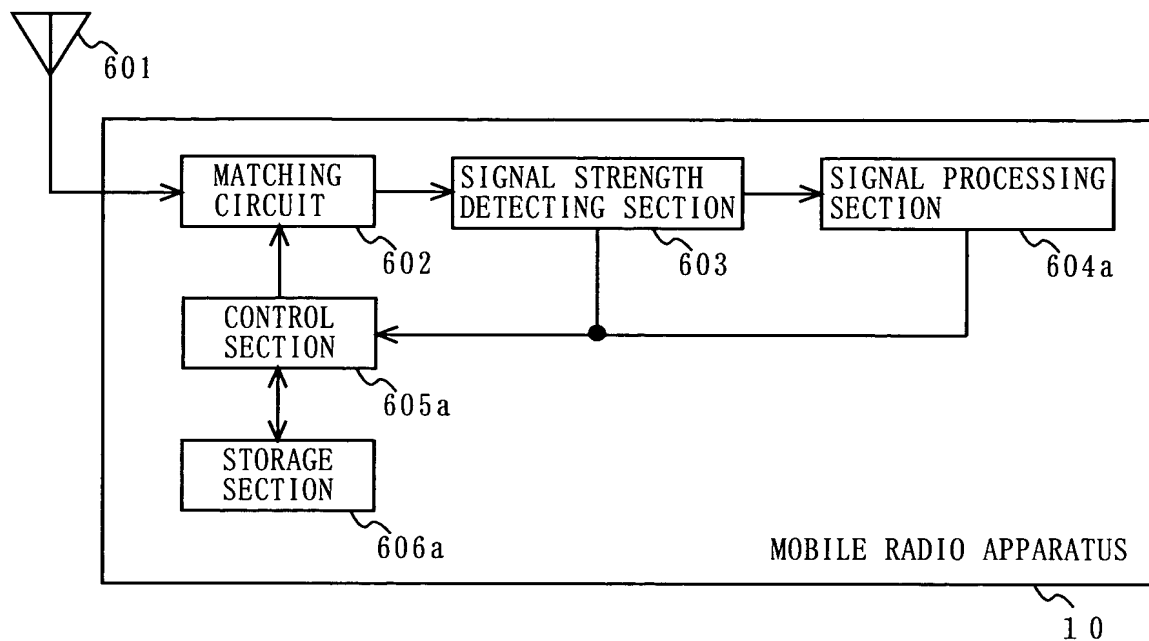


FIG. 64B

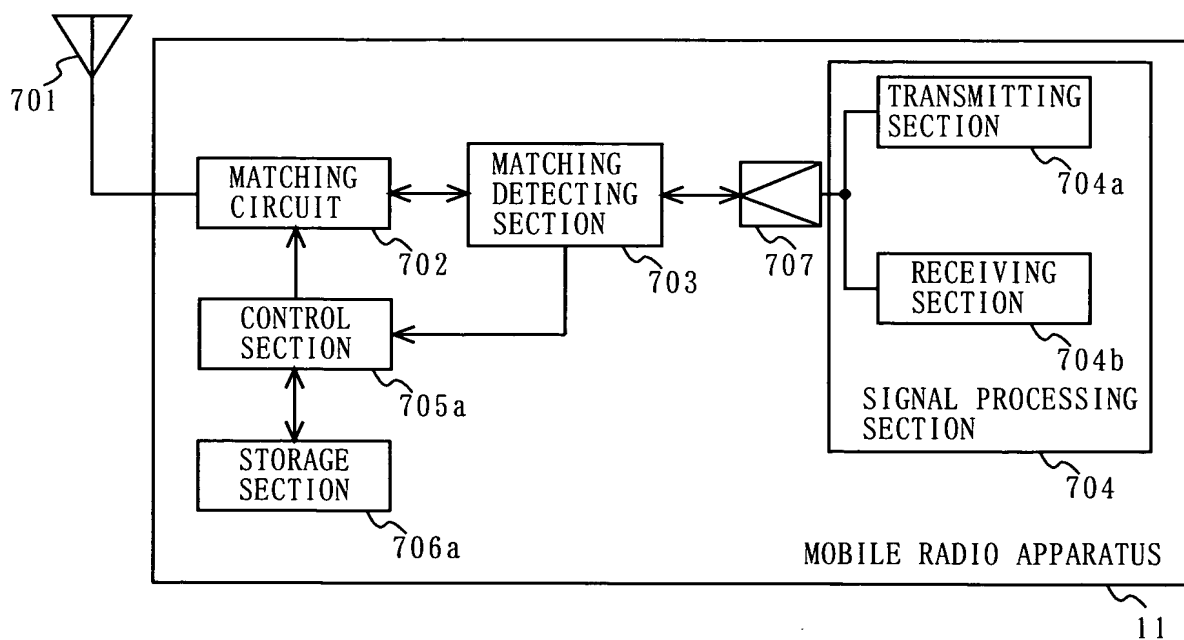


FIG. 65A

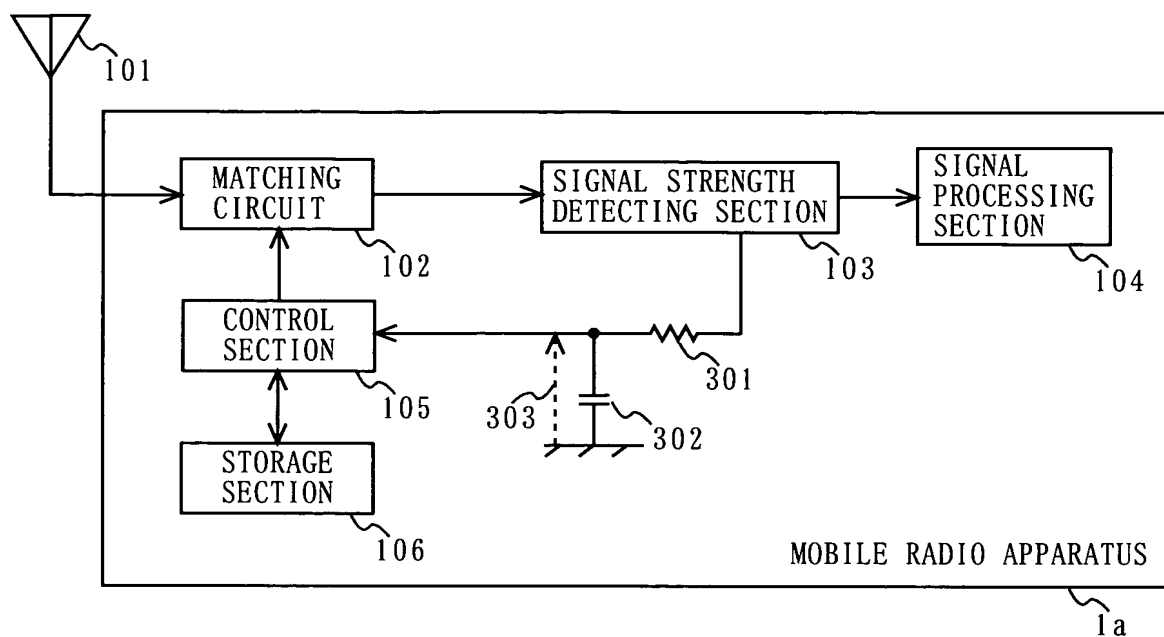


FIG. 65B

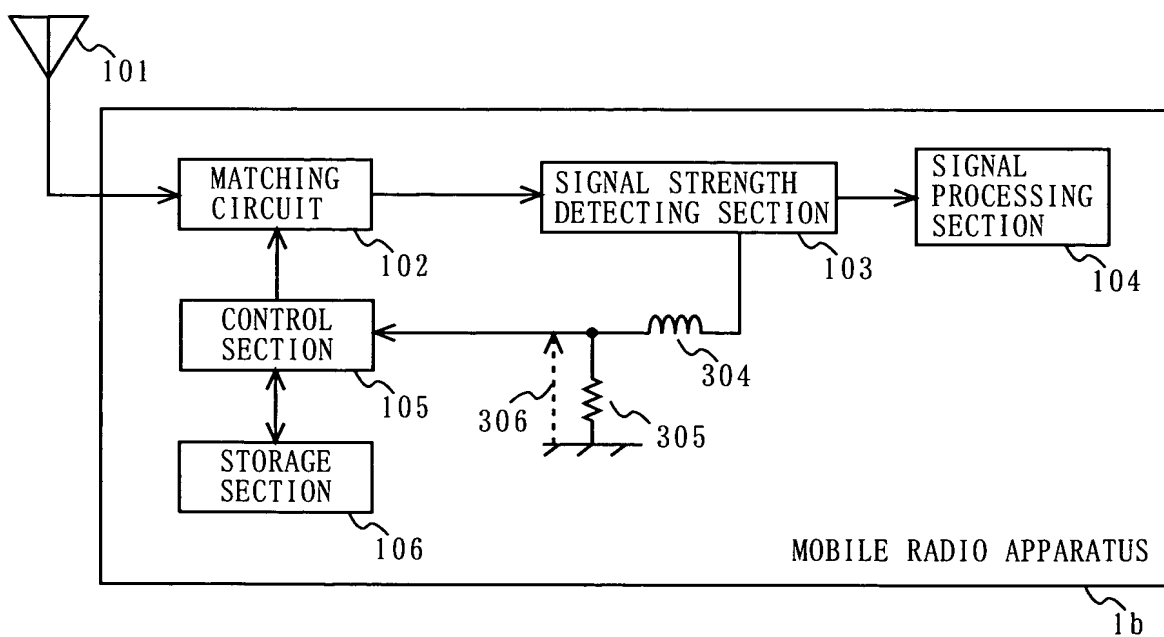


FIG. 65C

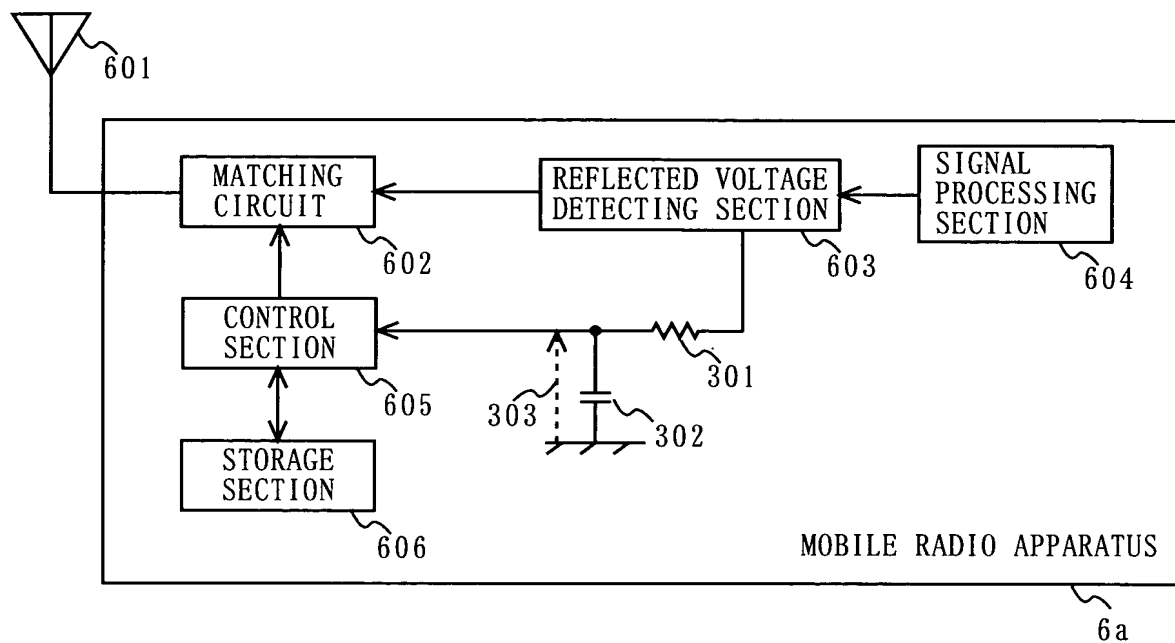


FIG. 65D

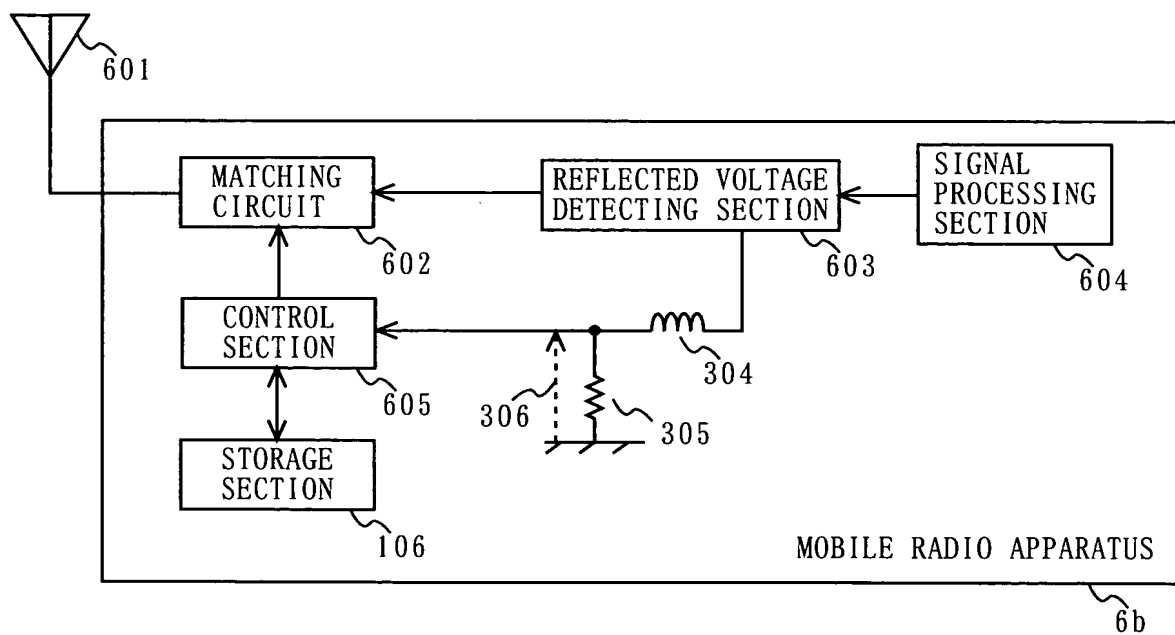


FIG. 66A

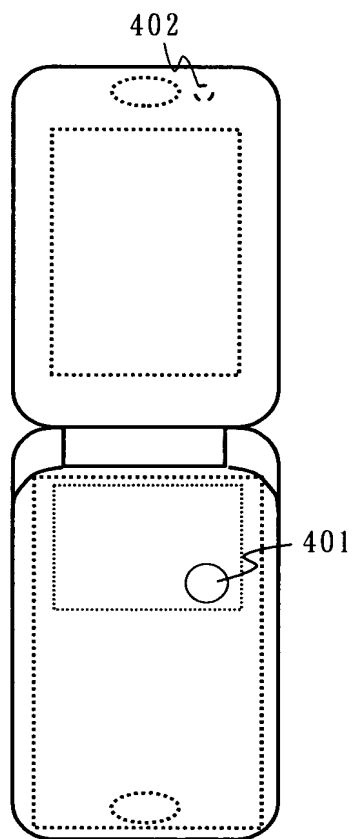


FIG. 66B

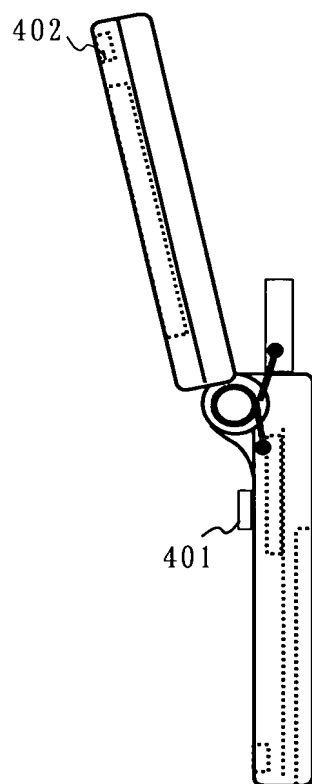


FIG. 67

